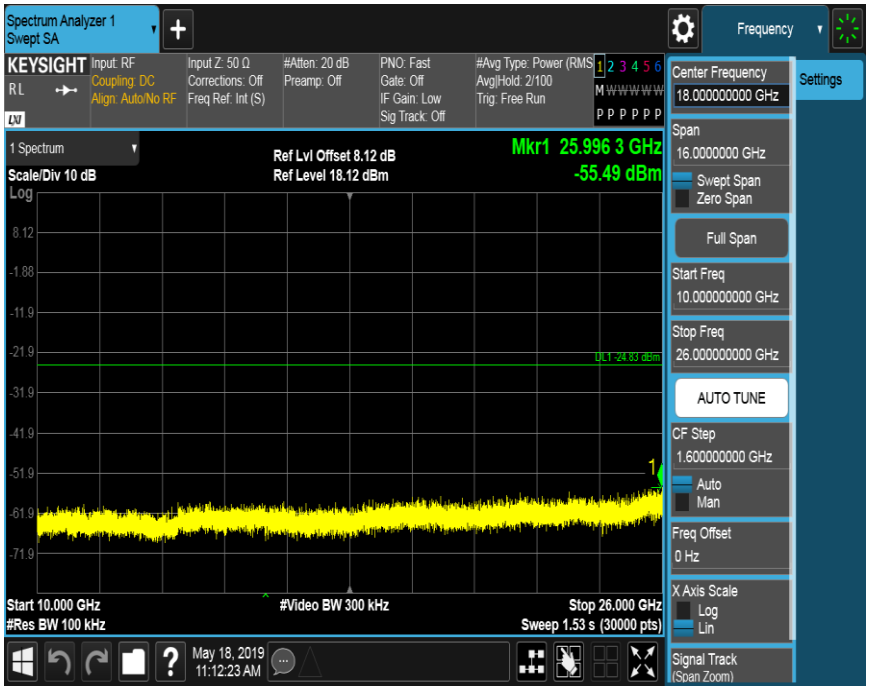
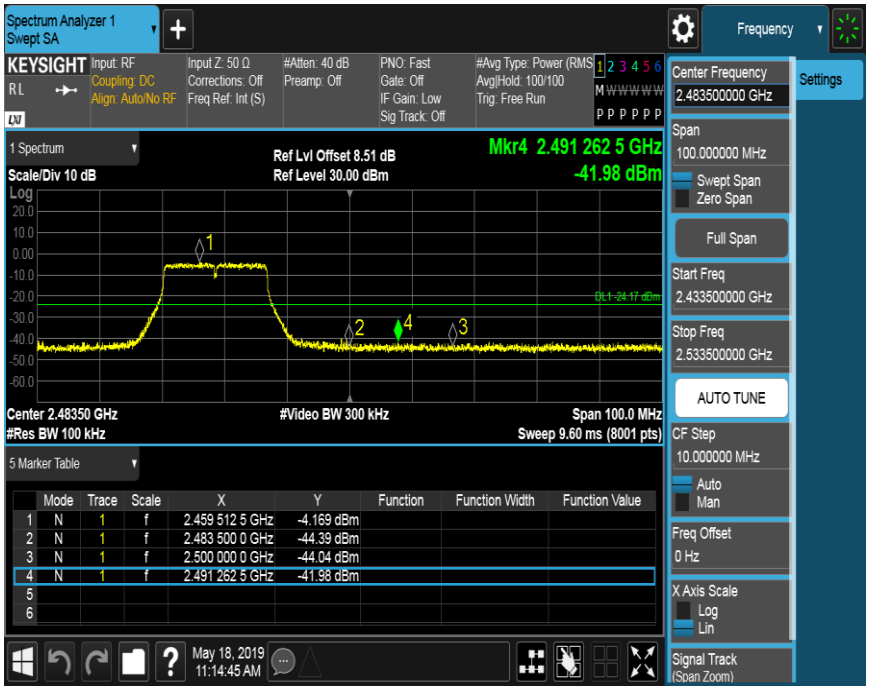
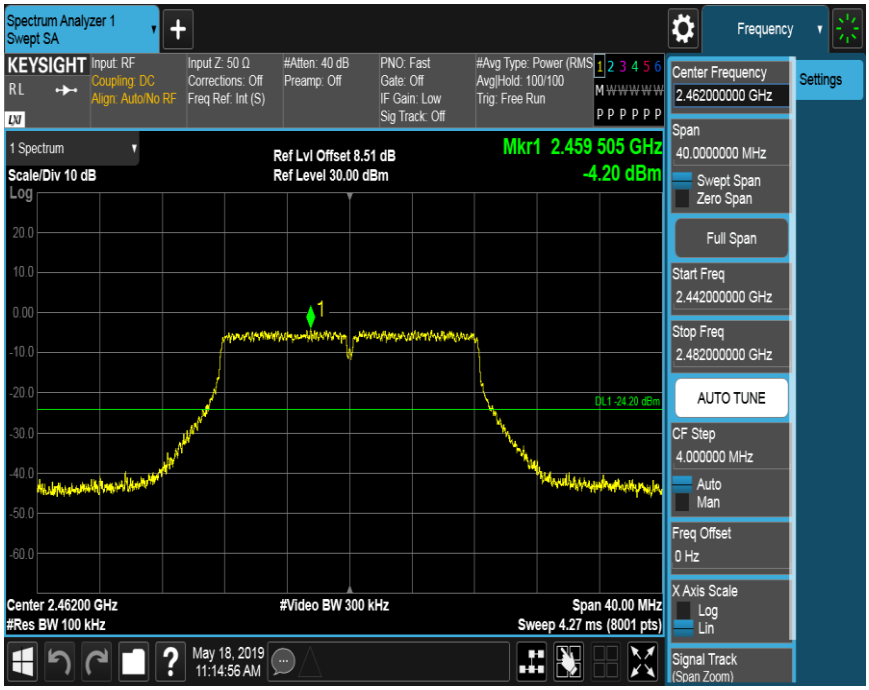
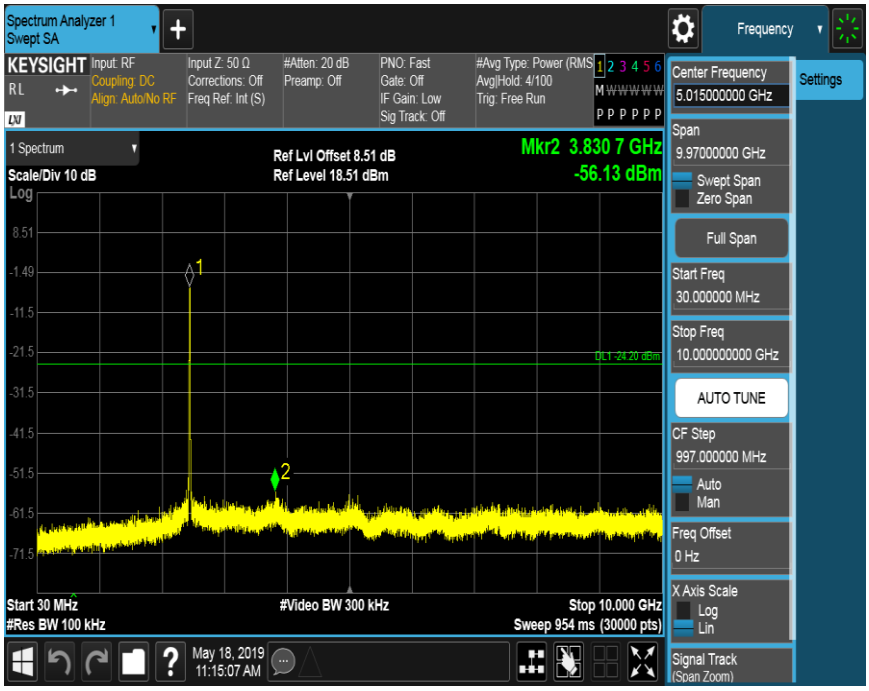


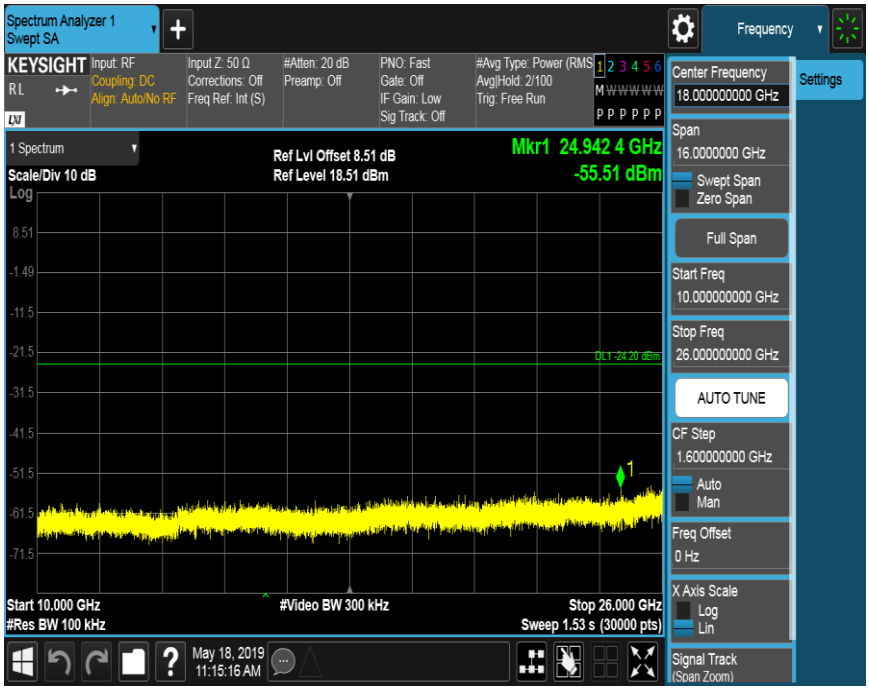
HIGH CH BANDEDGE



HIGH CH SPURIOUS EMISSIONS

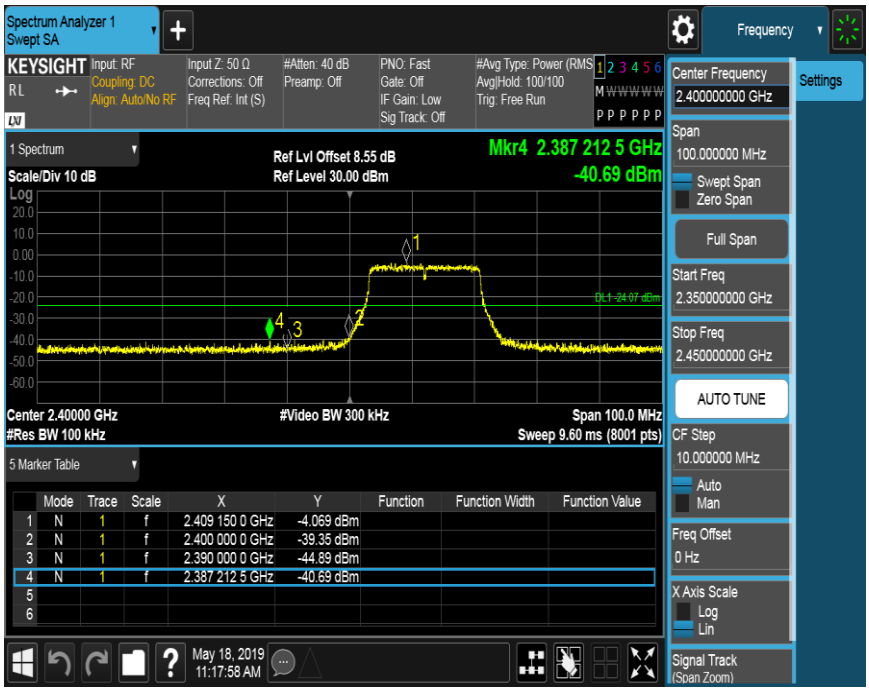




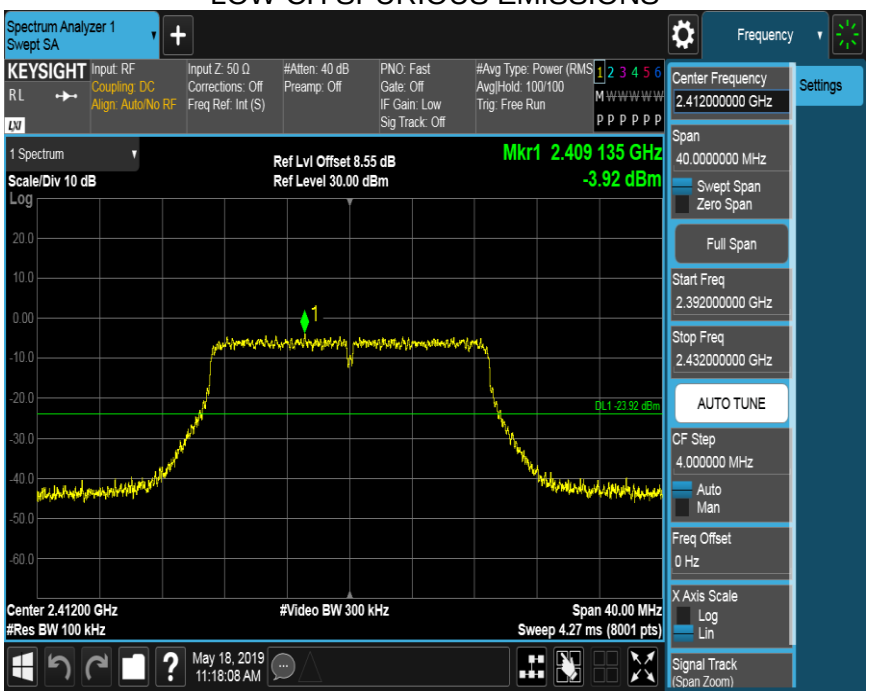


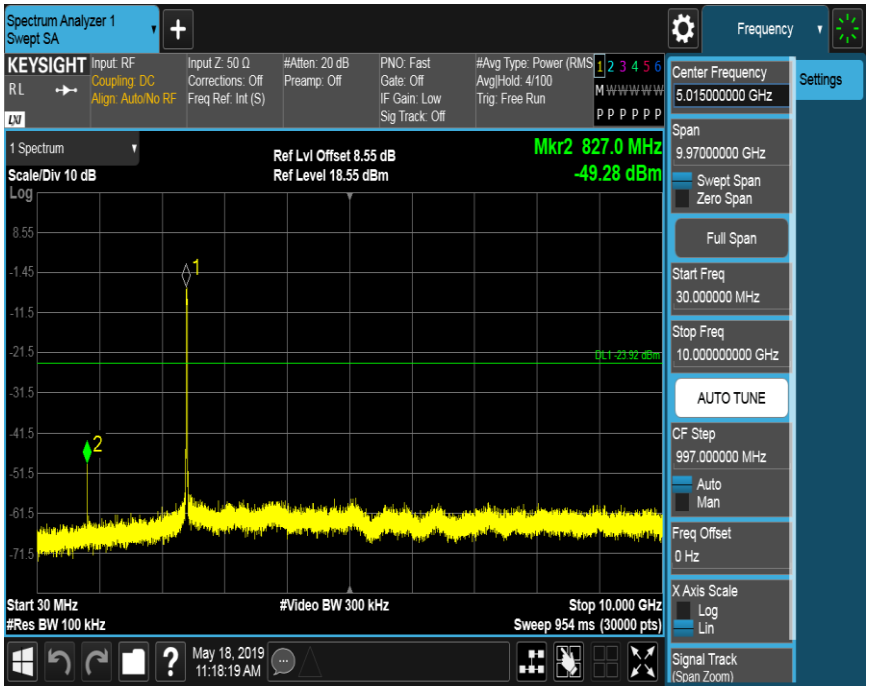
8.5.1. 802.11n HT20 MODE

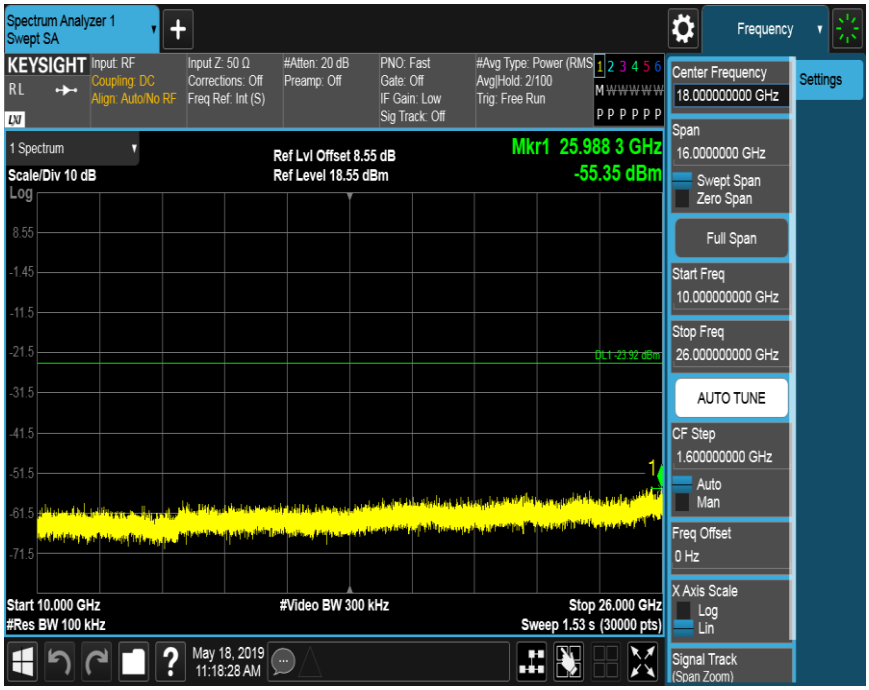
LOW CH BANDEDGE



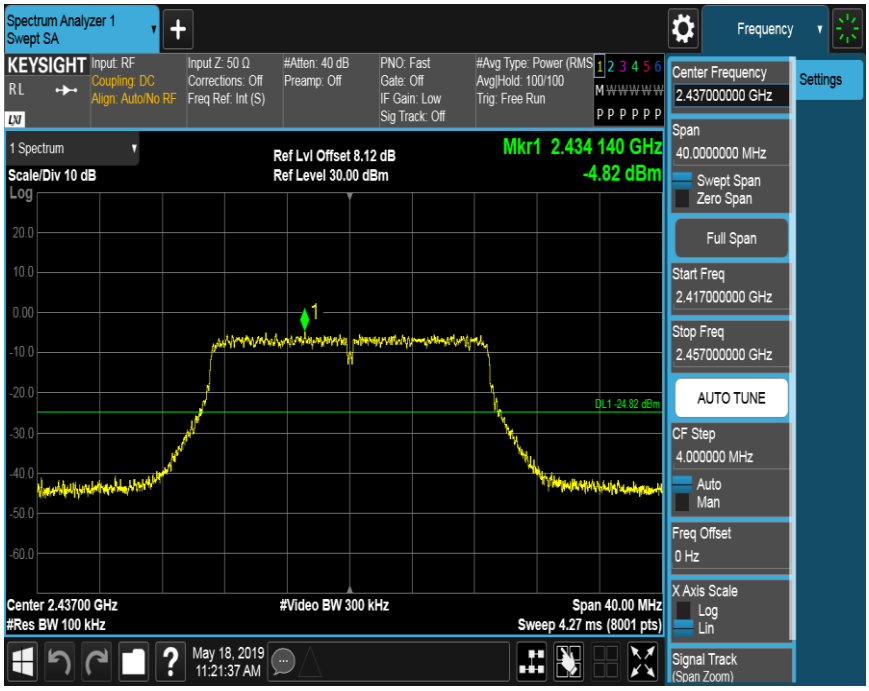
LOW CH SPURIOUS EMISSIONS

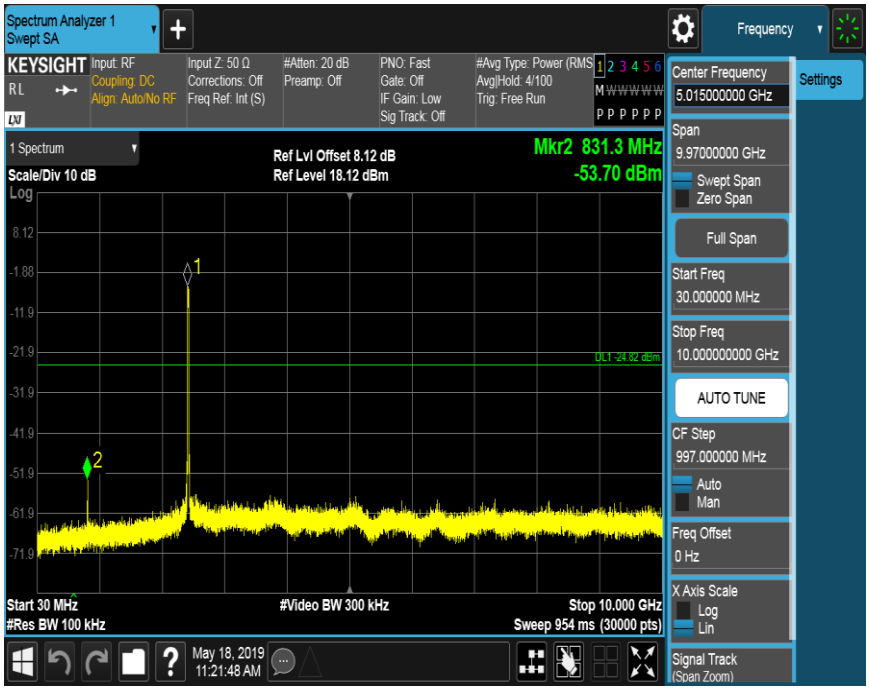


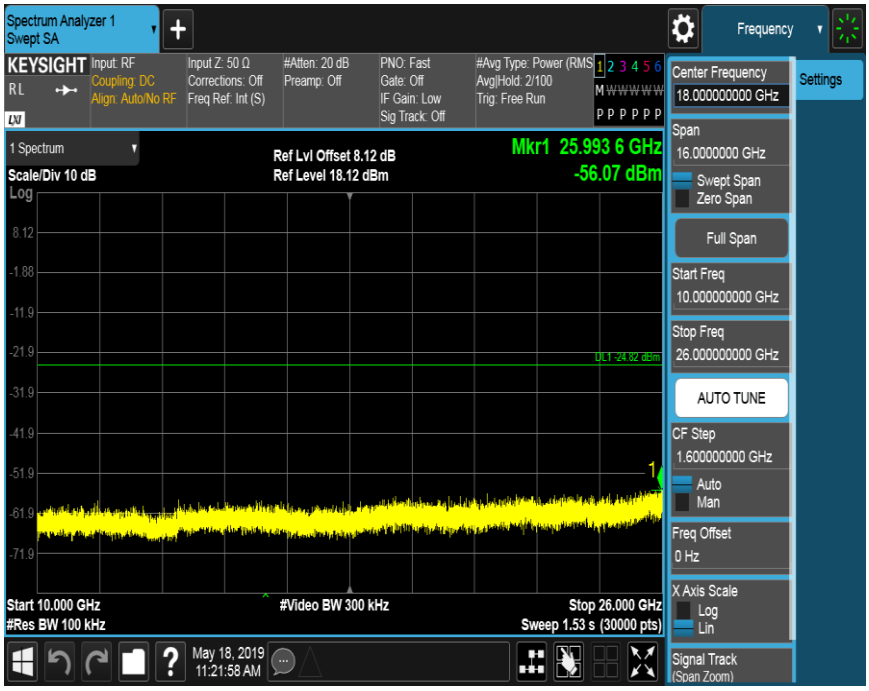




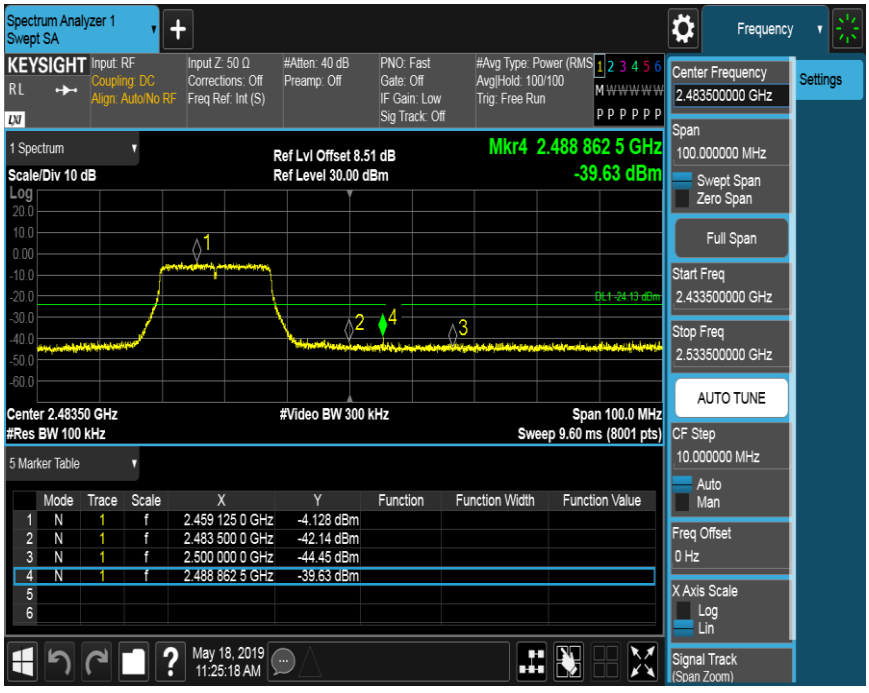
MID CH SPURIOUS EMISSIONS



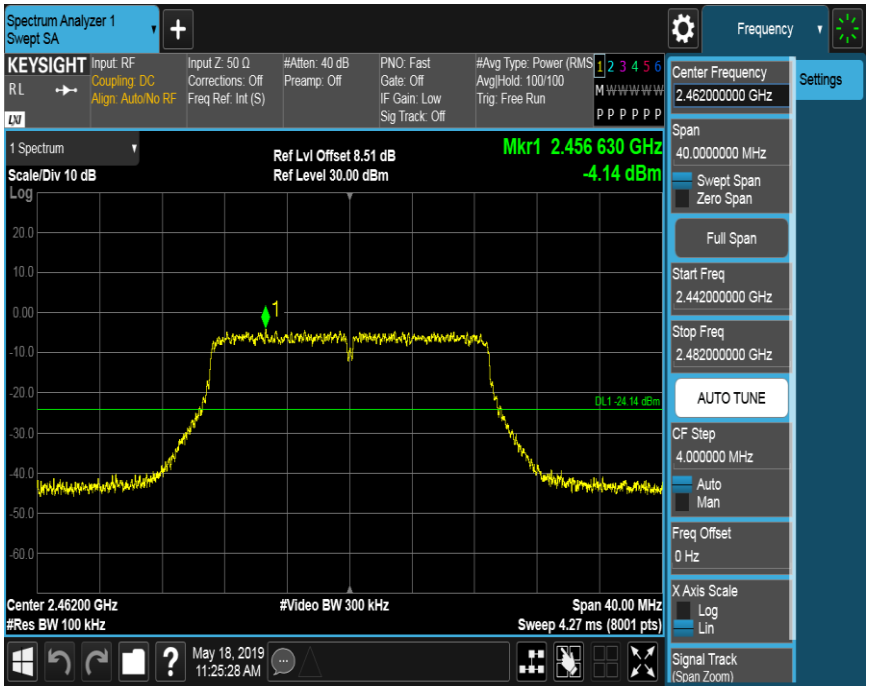


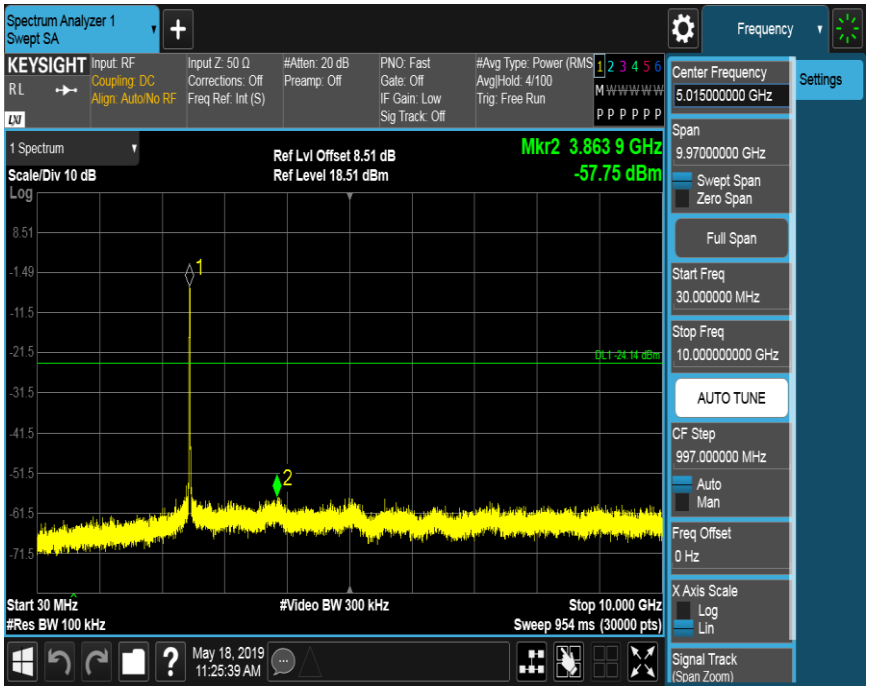


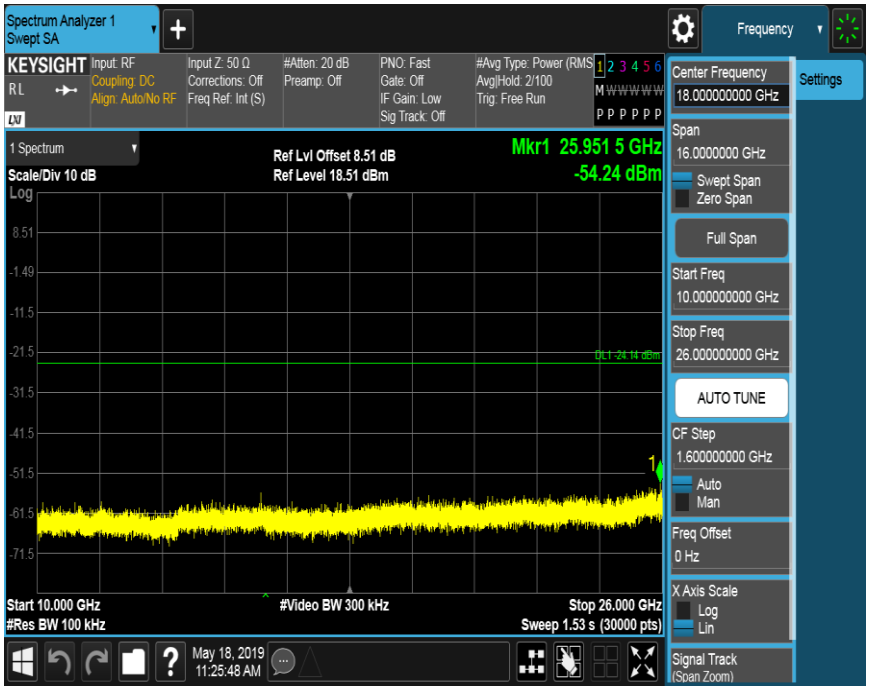
HIGH CH BANDEDGE



HIGH CH SPURIOUS EMISSIONS

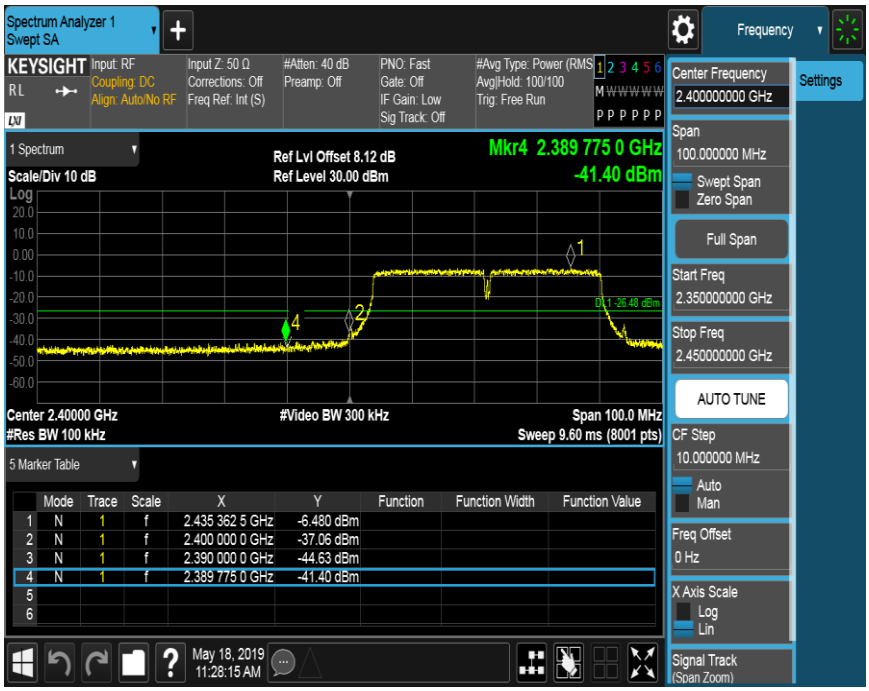




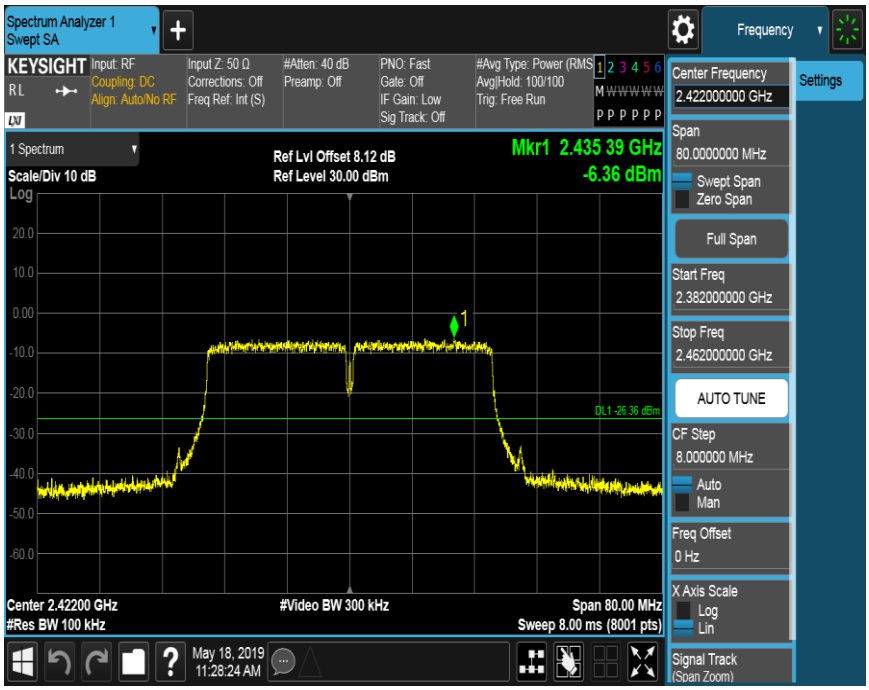


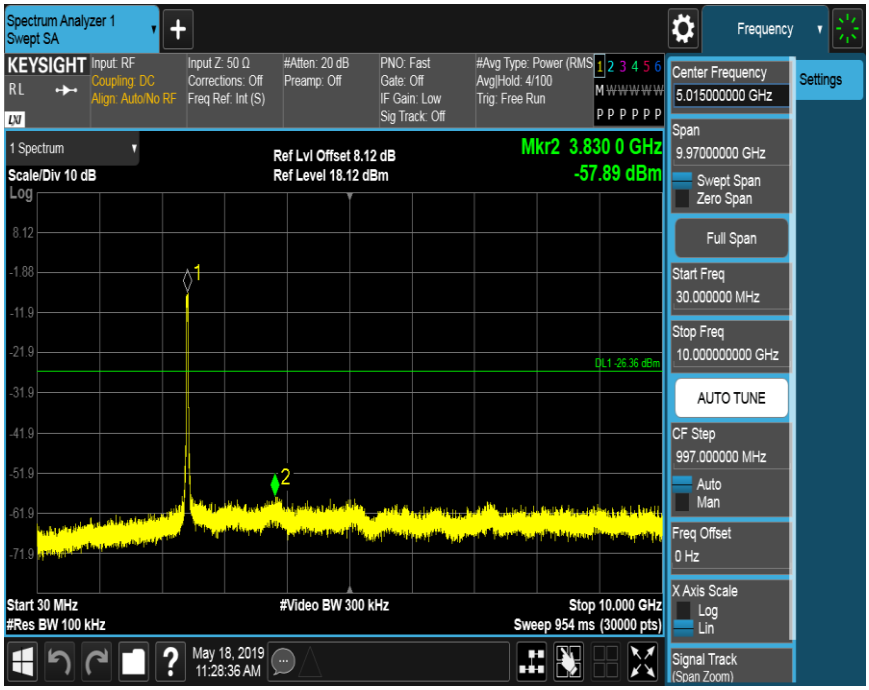
8.5.1. 802.11n HT40 MODE

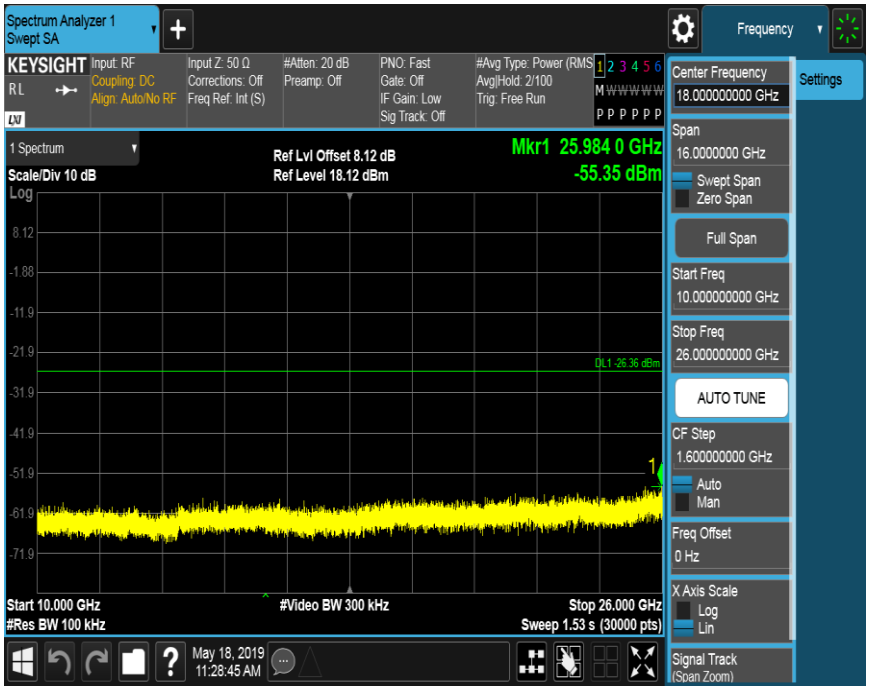
LOW CH BANDEDGE



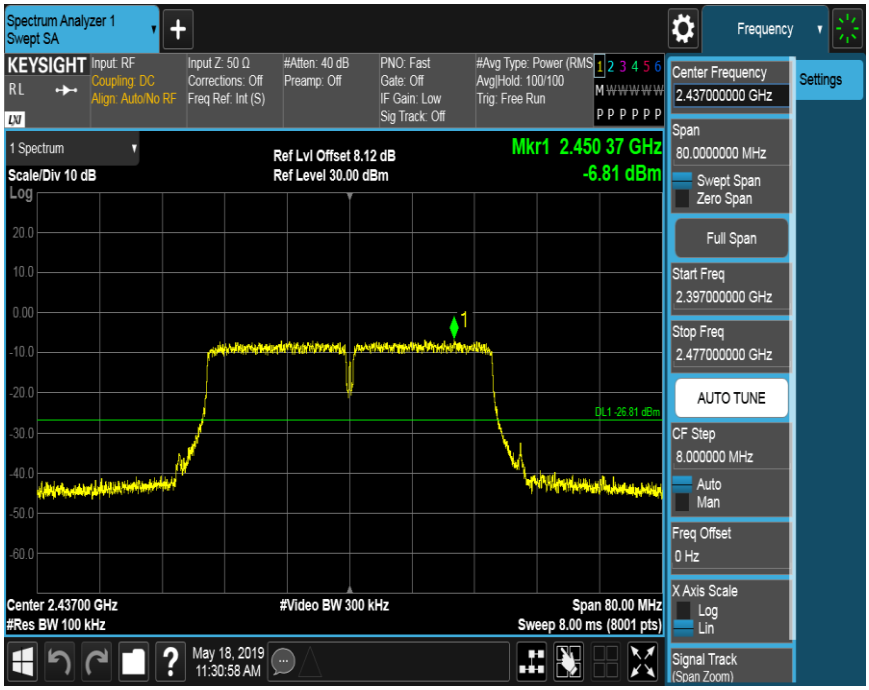
LOW CH SPURIOUS EMISSIONS

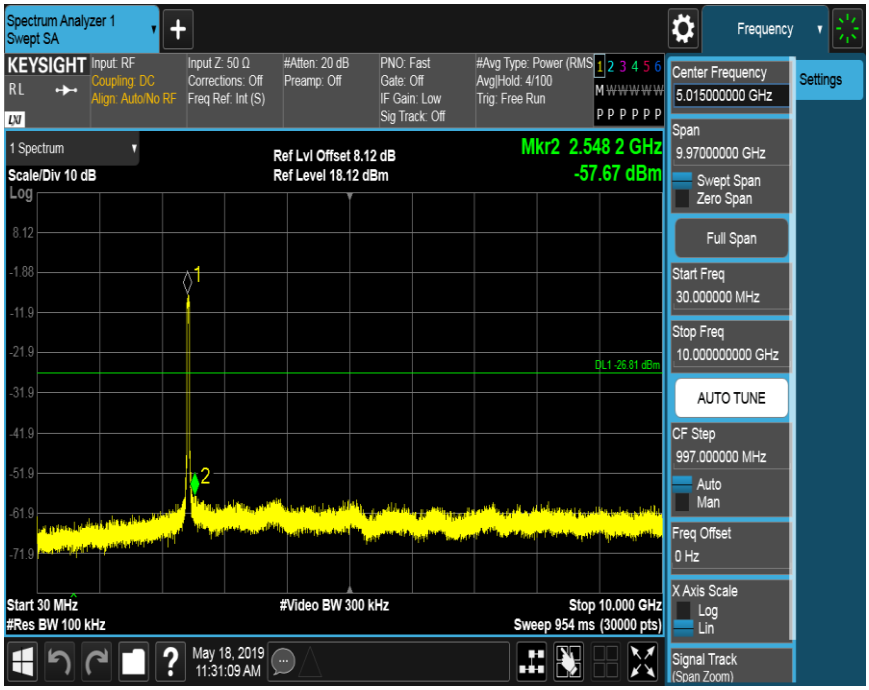


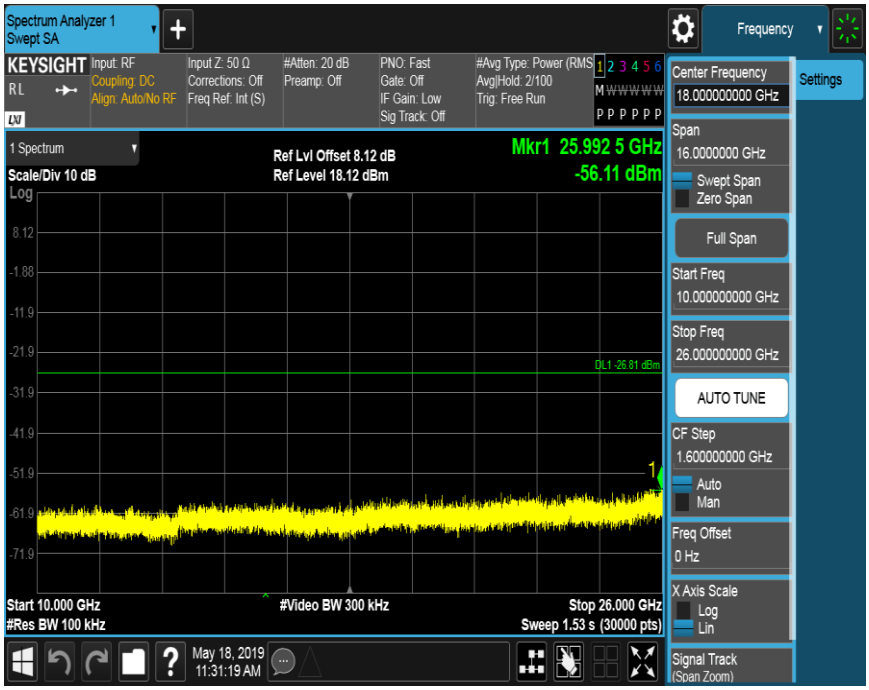




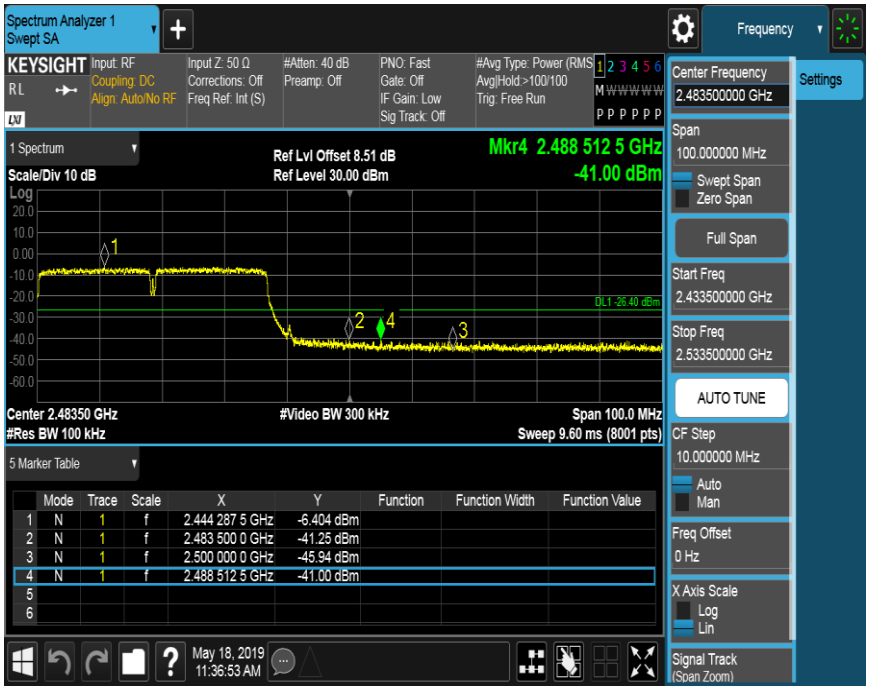
MID CH SPURIOUS EMISSIONS



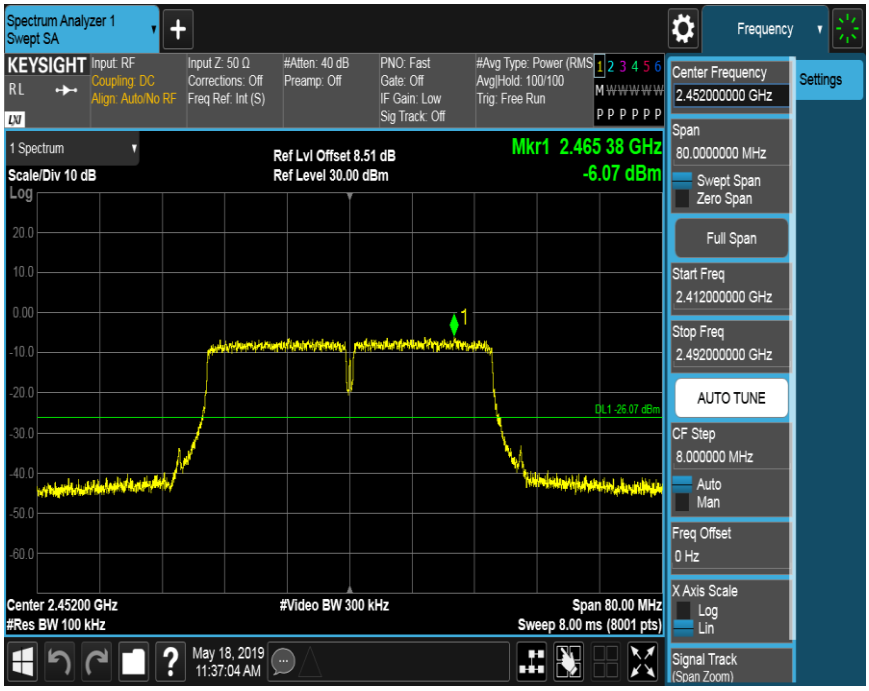


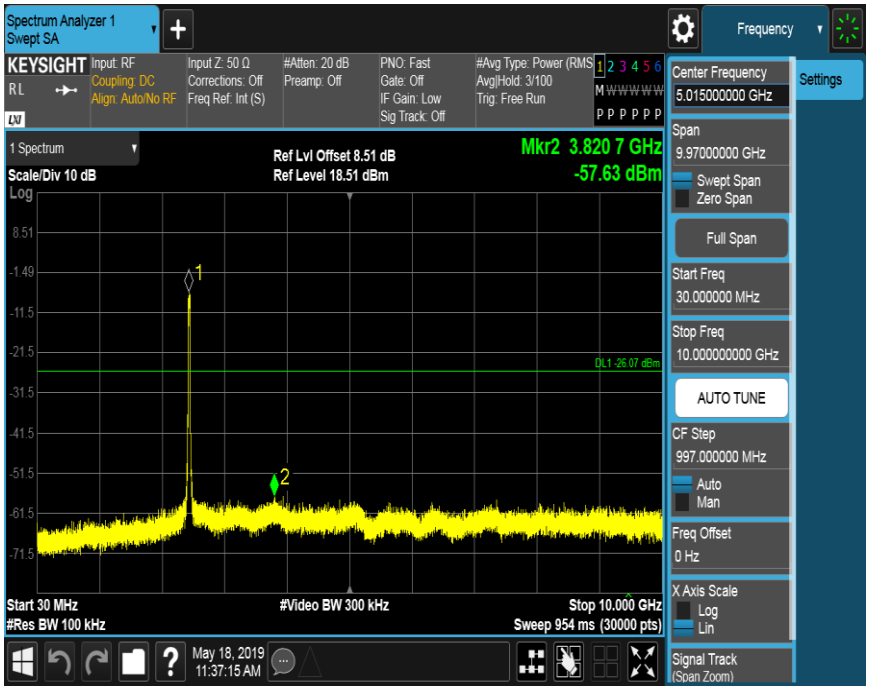


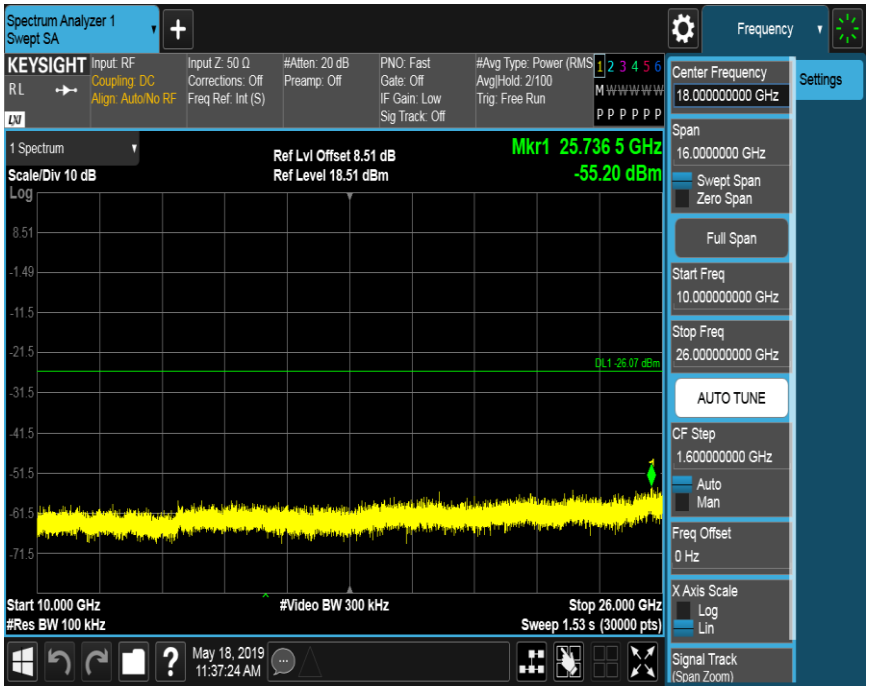
HIGH CH BANDEDGE



HIGH CH SPURIOUS EMISSIONS







9. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209

Radiation Disturbance Test Limit for FCC (Class B)(9KHz-1GHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

Note: 1) At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

(2) At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). This paragraph (f) shall not apply to Access BPL devices operating below 30 MHz.

Radiation Disturbance Test Limit for FCC (Above 1G)

Frequency (MHz)	dB(uV/m) (at 3 meters)	
	Peak	Average
Above 1000	74	54

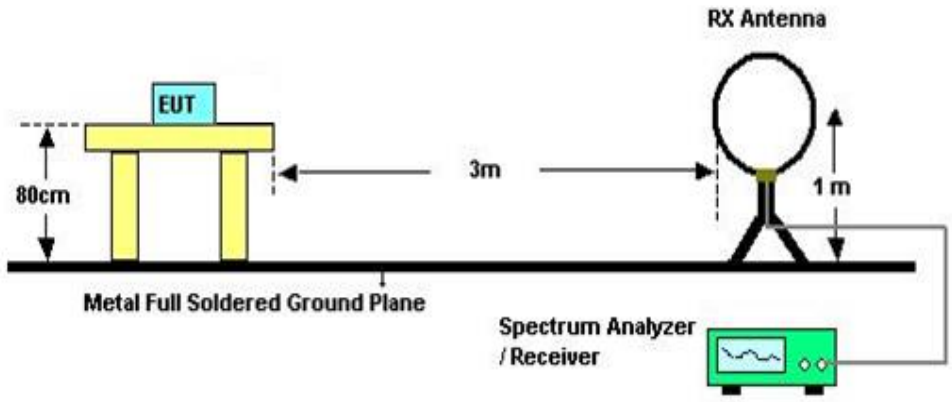
FCC Restricted bands of operation:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

Note: [1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
[2]Above 38.6c

TEST SETUP AND PROCEDURE

Below 30MHz



The setting of the spectrum analyser

RBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
VBW	200Hz (From 9kHz to 0.15MHz)/ 9KHz (From 0.15MHz to 30MHz)
Sweep	Auto
Detector	Peak/QP/ Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013

2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

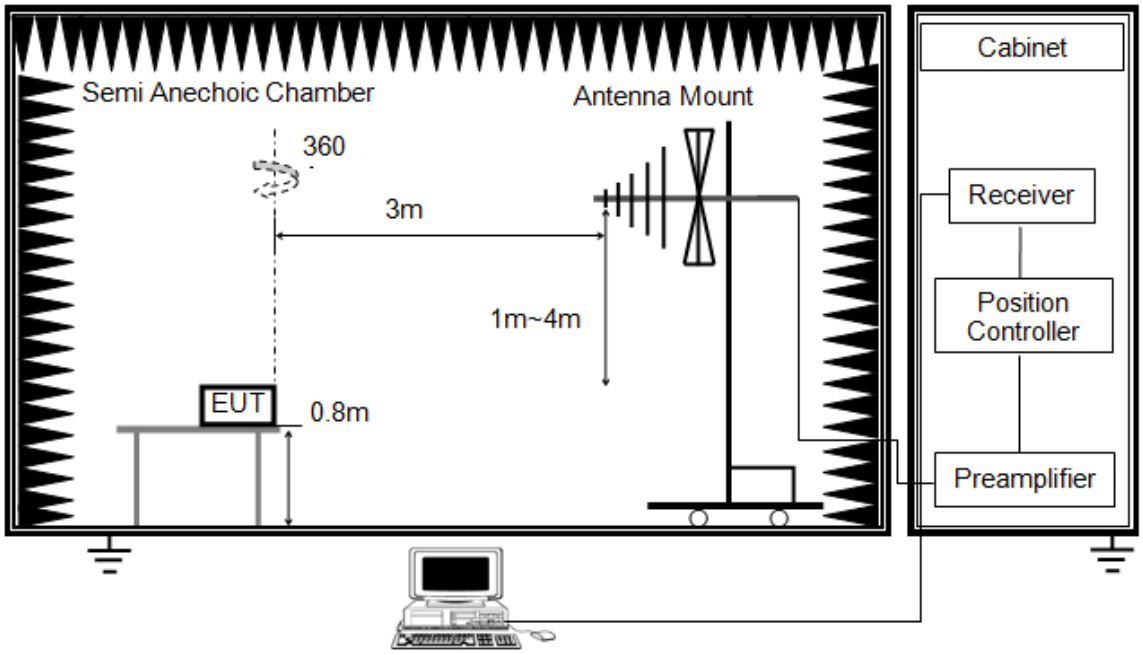
3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

6. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

Below 1G



The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

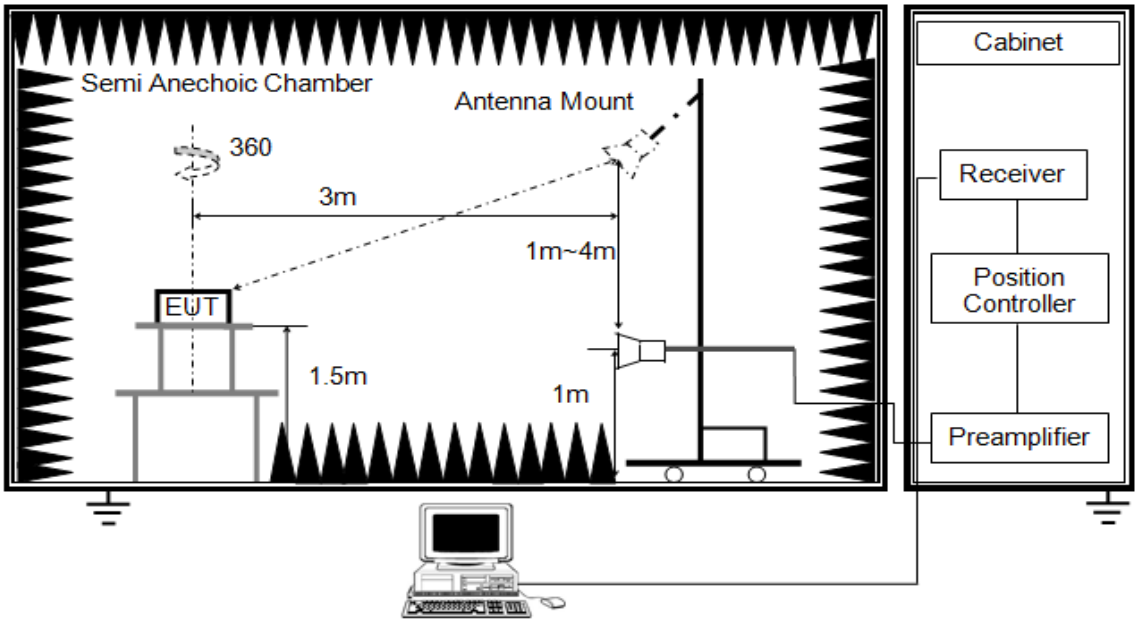
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

ABOVE 1G



The setting of the spectrum analyser

RBW	1M
VBW	PEAK: 3M AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

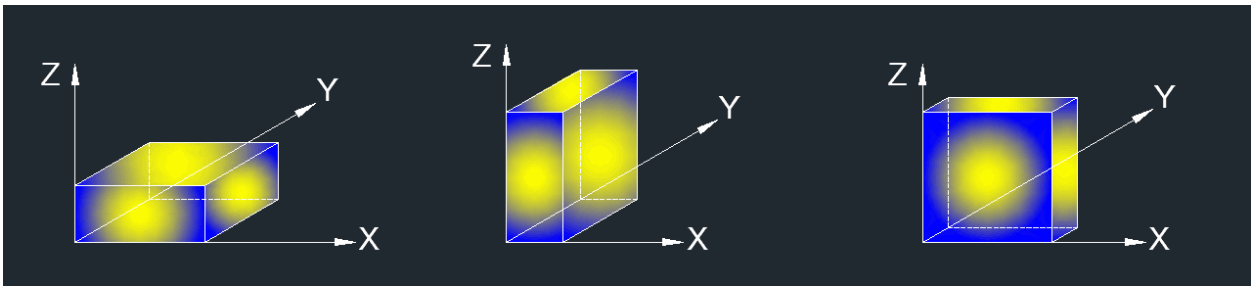
3. The EUT was placed on a turntable with 1.5m above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. For measurement above 1GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.

6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 8.1.ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note : For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

TEST ENVIRONMENT

Temperature	20°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	DC 12V

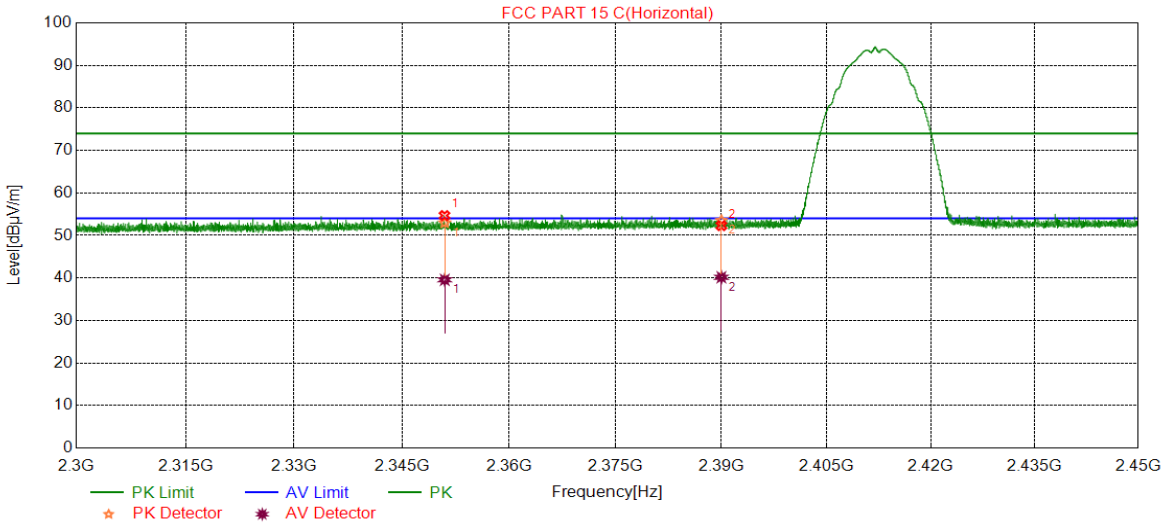
9.1. RESTRICTED BANDEDGE

Test Result Table

Test Mode	Test Antenna	Channel	Puw(dBm)	Verdict
11B	Antenna 1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11G	Antenna 1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N20	Antenna 1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS
11N40	Antenna 1	LCH	<Limit	PASS
		MCH	<Limit	PASS
		HCH	<Limit	PASS

9.1.1. 802.11b MODE

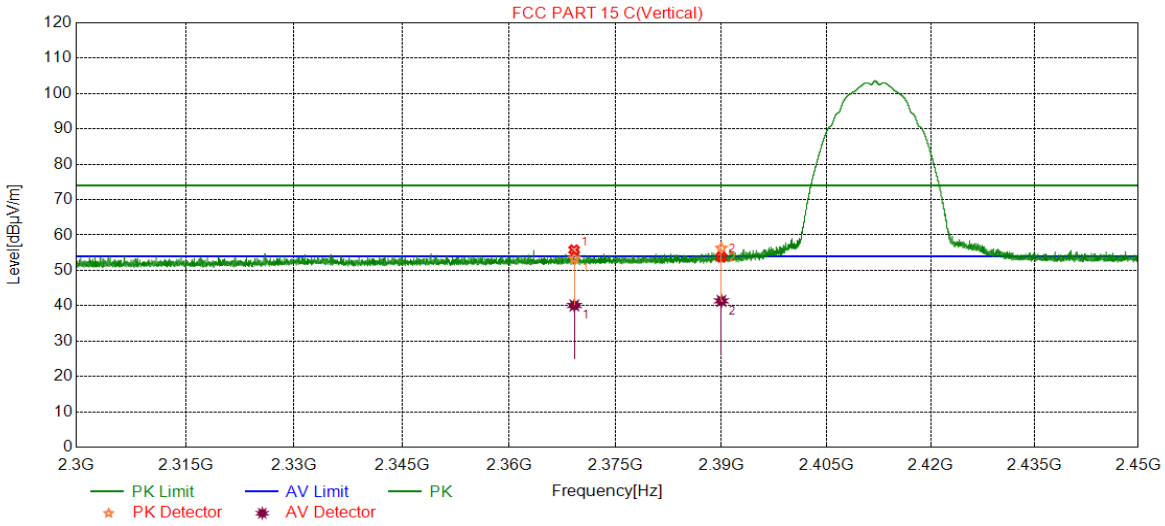
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2350.9749	39.27	13.69	52.96	74.00	-21.04	peak
		25.87	13.69	39.56	54.00	-14.44	average
2	2390.0000	39.42	14.09	53.51	74.00	-20.49	peak
		26.07	14.09	40.16	54.00	-13.84	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

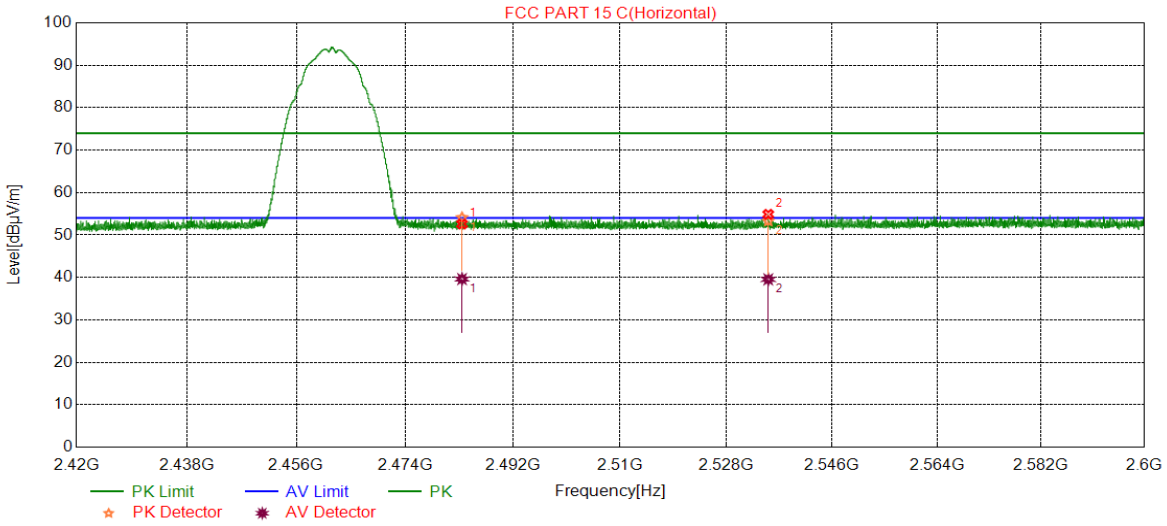
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2369.1847	39.53	13.83	53.36	74.00	-20.64	peak
		26.25	13.83	40.08	54.00	-13.92	average
2	2390.0000	42.20	14.09	56.29	74.00	-17.71	peak
		27.28	14.09	41.37	54.00	-12.63	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

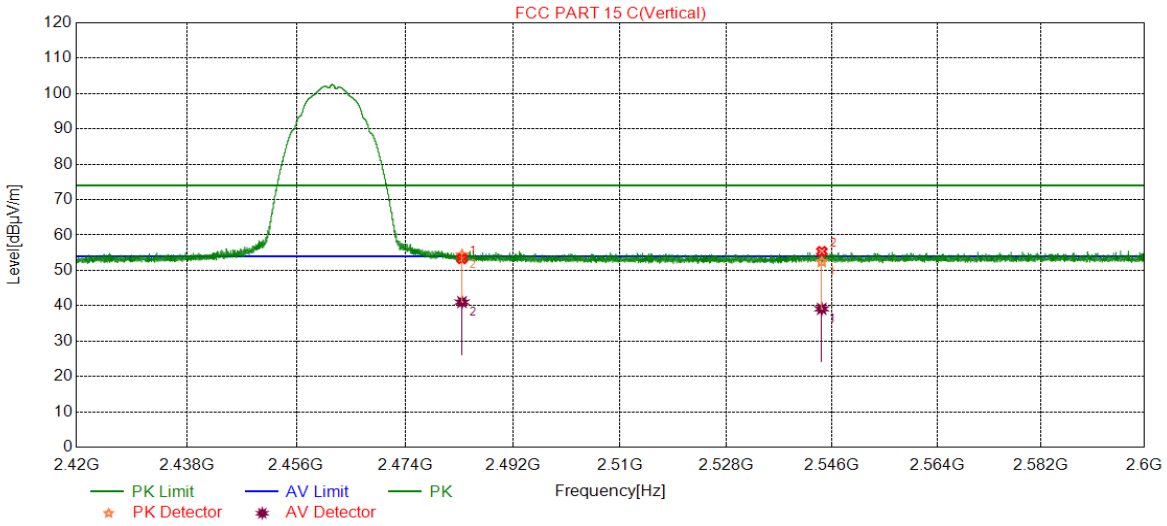
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.22	13.88	54.10	74.00	-19.90	peak
		25.74	13.88	39.62	54.00	-14.38	average
2	2535.1035	38.98	14.30	53.28	74.00	-20.72	peak
		25.24	14.30	39.54	54.00	-14.46	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

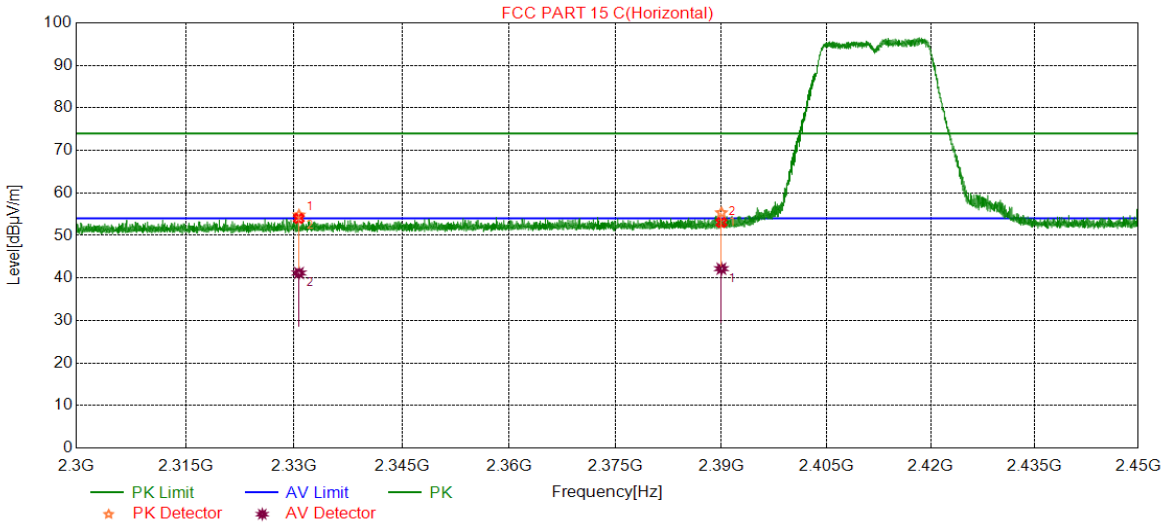


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.49	13.88	54.37	74.00	-19.63	peak
		27.14	13.88	41.02	54.00	-12.98	average
2	2544.2169	38.07	14.35	52.42	74.00	-21.58	peak
		24.76	14.35	39.11	54.00	-14.89	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.1.2. 802.11g MODE

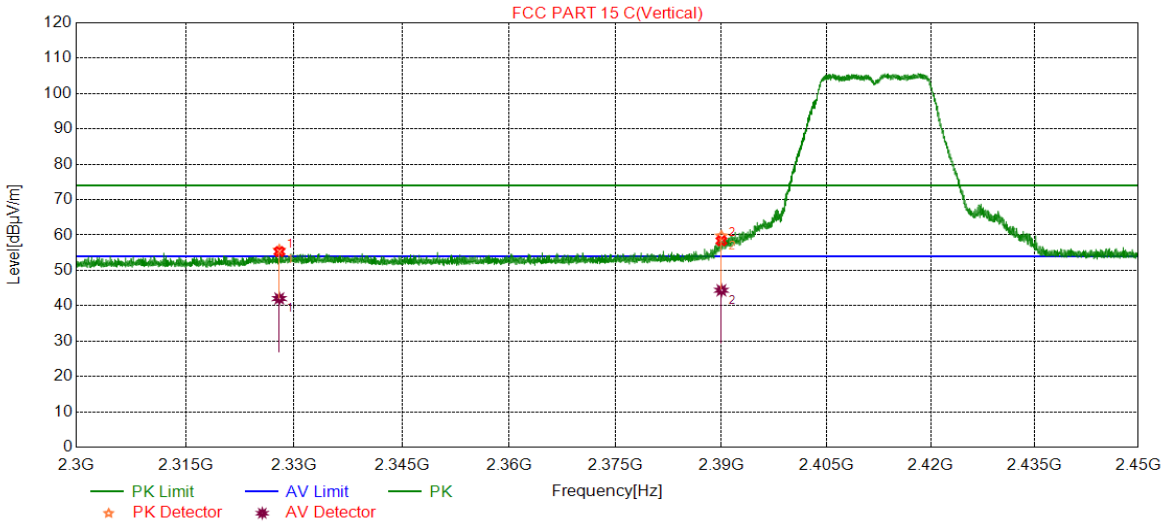
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2330.6702	41.32	13.48	54.80	74.00	-19.20	peak
		27.68	13.48	41.16	54.00	-12.84	average
2	2390.0000	41.24	14.09	55.33	74.00	-18.67	peak
		28.09	14.09	42.18	54.00	-11.82	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

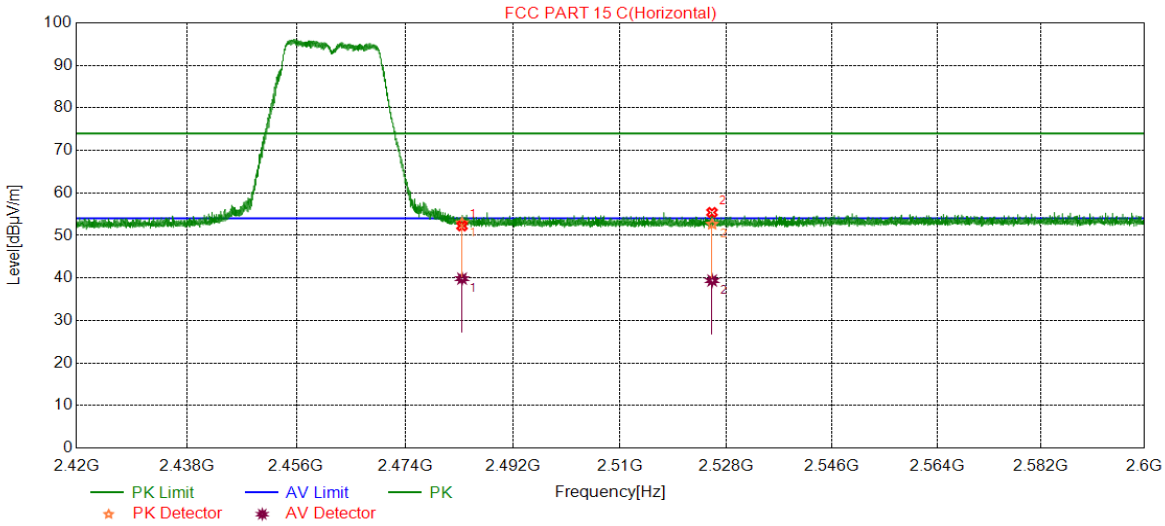
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2327.9421	42.34	13.40	55.74	74.00	-18.26	peak
		28.63	13.40	42.03	54.00	-11.97	average
2	2390.0000	45.62	14.09	59.71	74.00	-14.29	peak
		30.28	14.09	44.37	54.00	-9.63	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

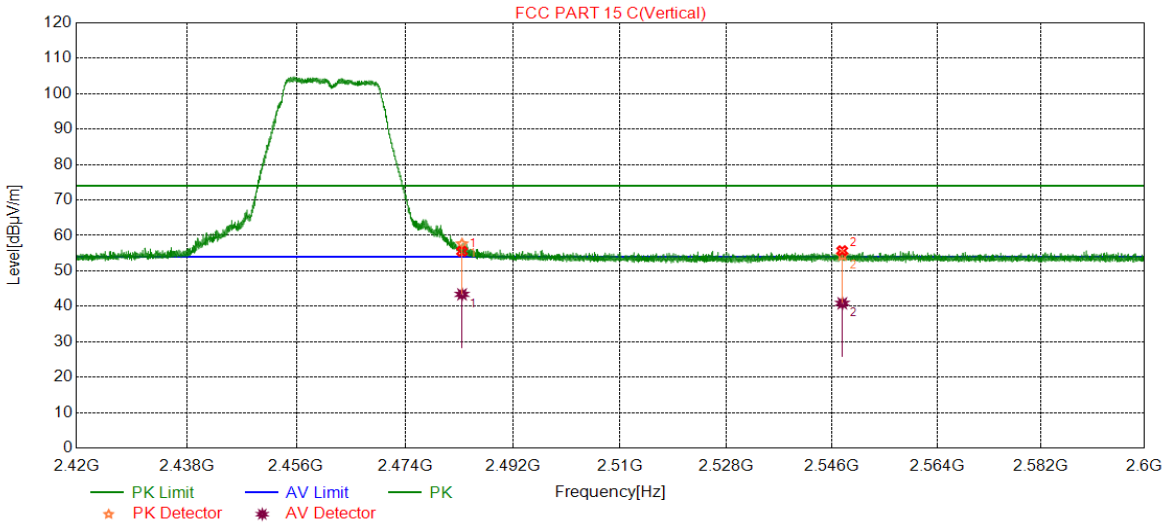
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	39.04	13.88	52.92	74.00	-21.08	peak
		25.96	13.88	39.84	54.00	-14.16	average
2	2525.5670	38.36	14.27	52.63	74.00	-21.37	peak
		25.12	14.27	39.39	54.00	-14.61	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

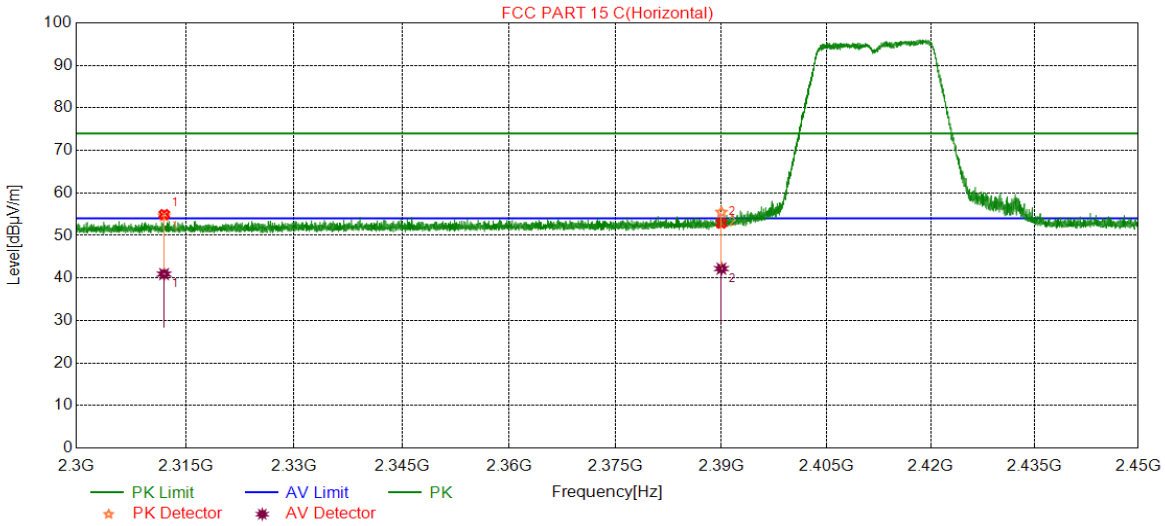


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	43.74	13.88	57.62	74.00	-16.38	peak
		29.49	13.88	43.37	54.00	-10.63	average
2	2547.7467	39.92	14.39	54.31	74.00	-19.69	peak
		26.45	14.39	40.84	54.00	-13.16	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.1.3. 802.11n HT20 MODE

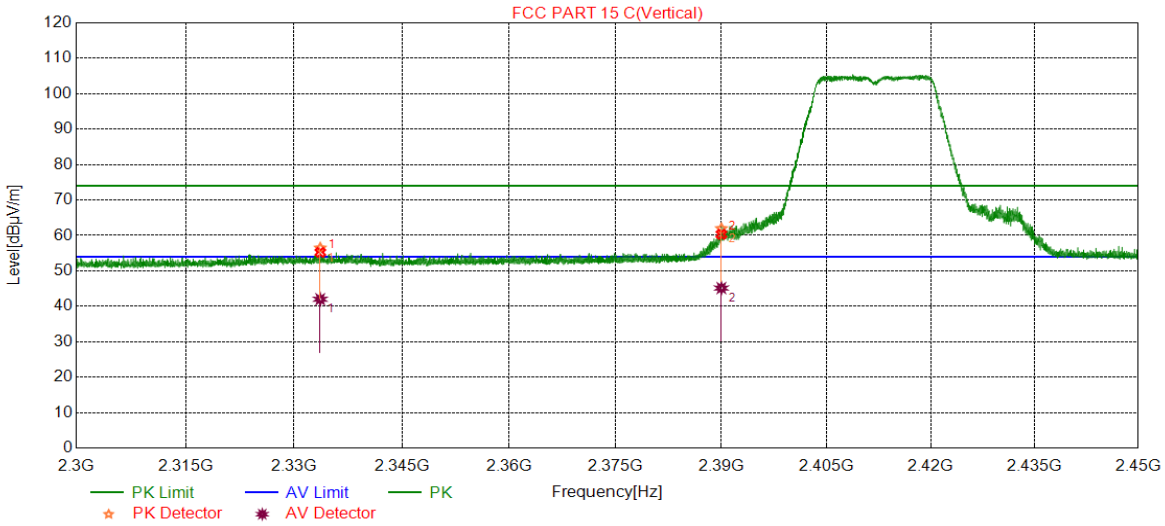
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2312.0375	41.34	13.23	54.57	74.00	-19.43	peak
		27.68	13.23	40.91	54.00	-13.09	average
2	2390.0000	41.36	14.09	55.45	74.00	-18.55	peak
		28.10	14.09	42.19	54.00	-11.81	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

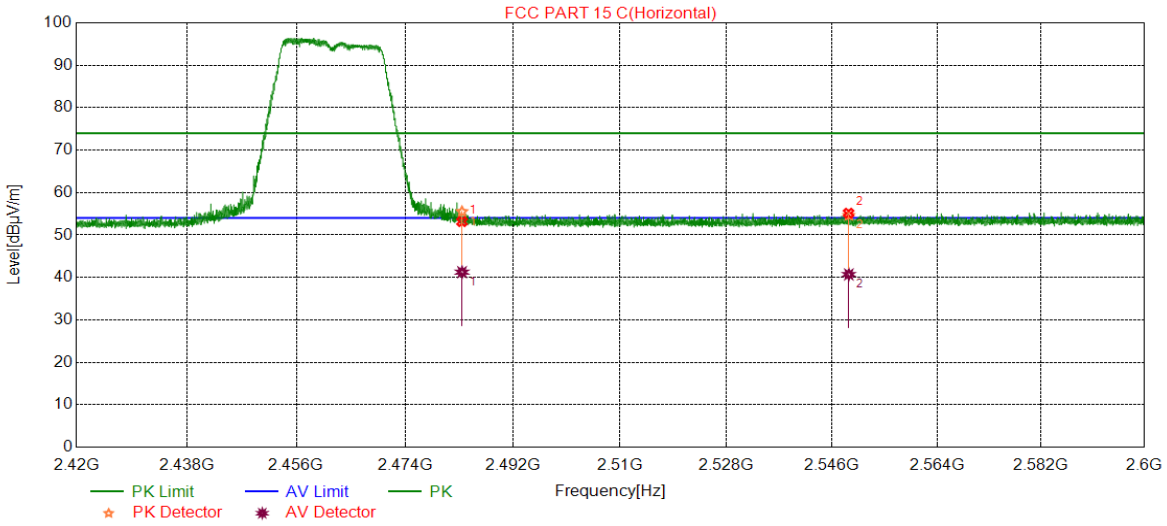
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2333.6188	42.90	13.53	56.43	74.00	-17.57	peak
		28.46	13.53	41.99	54.00	-12.01	average
2	2390.0000	47.83	14.09	61.92	74.00	-12.08	peak
		31.05	14.09	45.14	54.00	-8.86	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

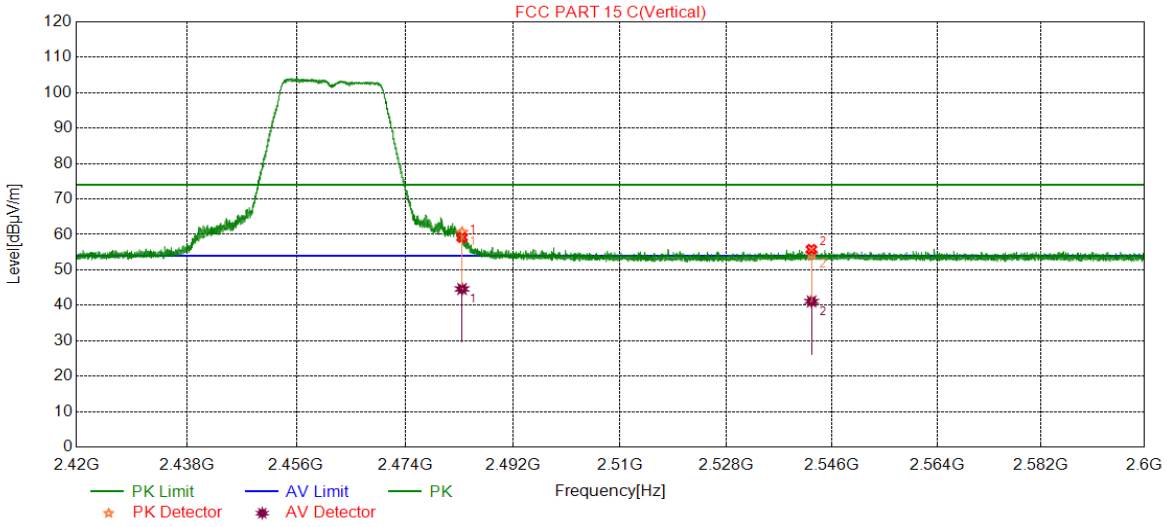
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	41.63	13.88	55.51	74.00	-18.49	peak
		27.36	13.88	41.24	54.00	-12.76	average
2	2548.8571	40.24	14.39	54.63	74.00	-19.37	peak
		26.31	14.39	40.70	54.00	-13.30	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)

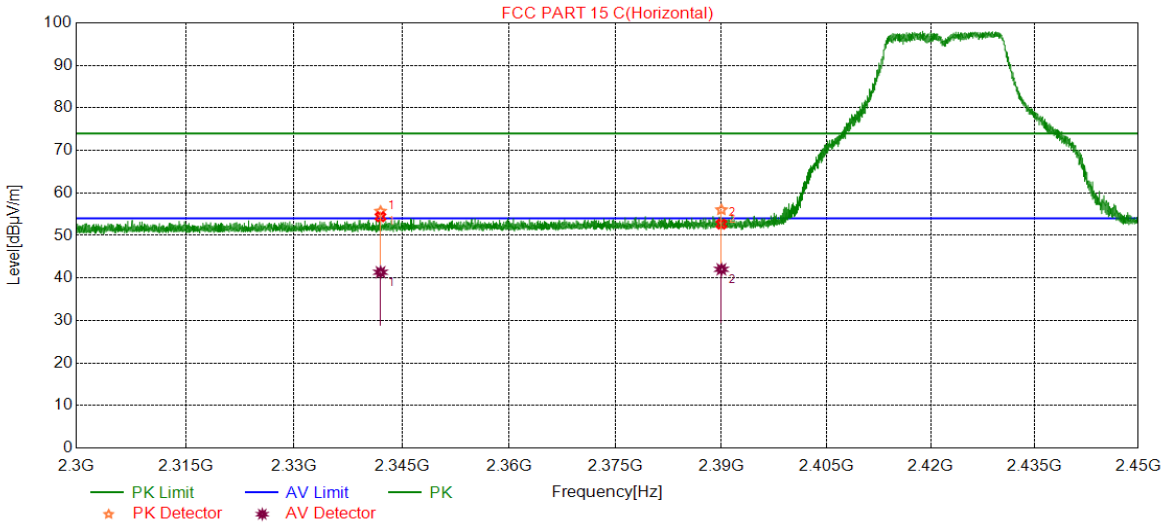


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	46.74	13.88	60.62	74.00	-13.38	peak
		30.73	13.88	44.61	54.00	-9.39	average
2	2542.4931	40.07	14.34	54.41	74.00	-19.59	peak
		26.75	14.34	41.09	54.00	-12.91	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.1.1. 802.11n HT40 MODE

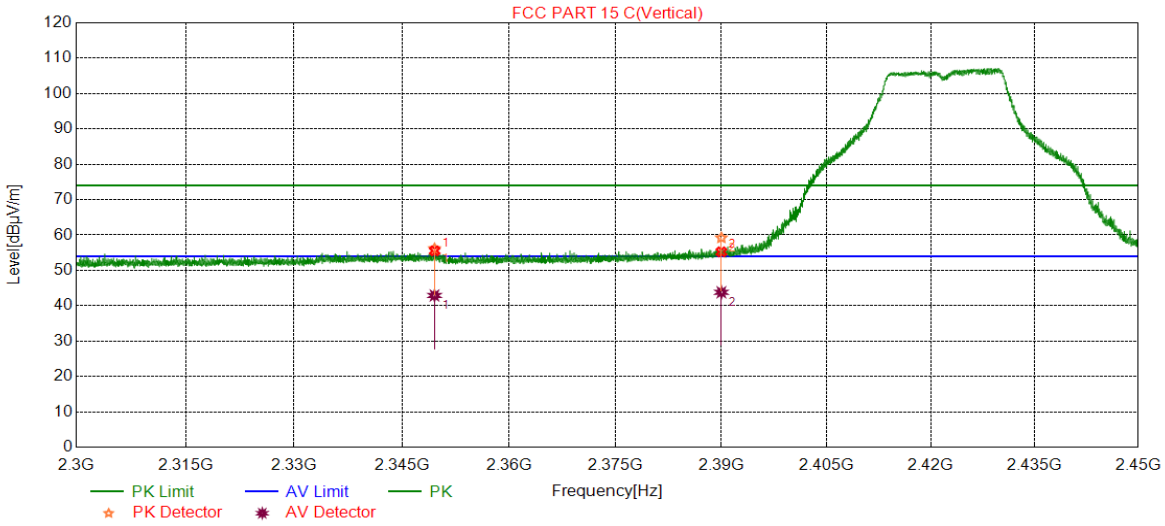
RESTRICTED BANDEDGE (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2342.0110	42.08	13.60	55.68	74.00	-18.32	18.32
		27.74	13.60	41.34	54.00	-12.66	12.66
2	2390.0000	41.93	14.09	56.02	74.00	-17.98	17.98
		27.94	14.09	42.03	54.00	-11.97	11.97

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

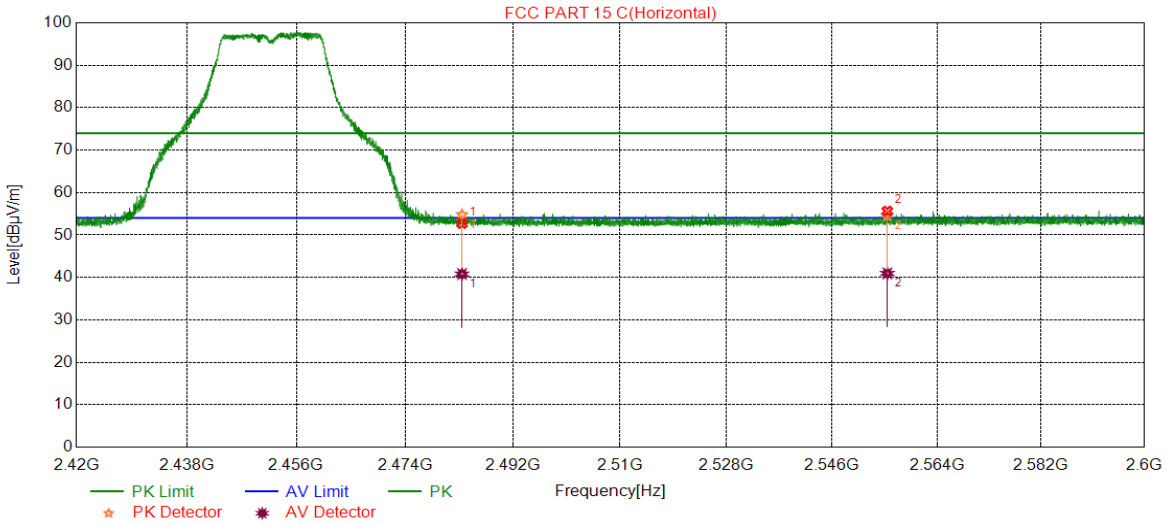
RESTRICTED BANDEDGE (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2349.5449	42.46	13.68	56.14	74.00	-17.86	peak
		29.21	13.68	42.89	54.00	-11.11	average
2	2390.0000	45.10	14.09	59.19	74.00	-14.81	peak
		29.71	14.09	43.80	54.00	-10.20	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

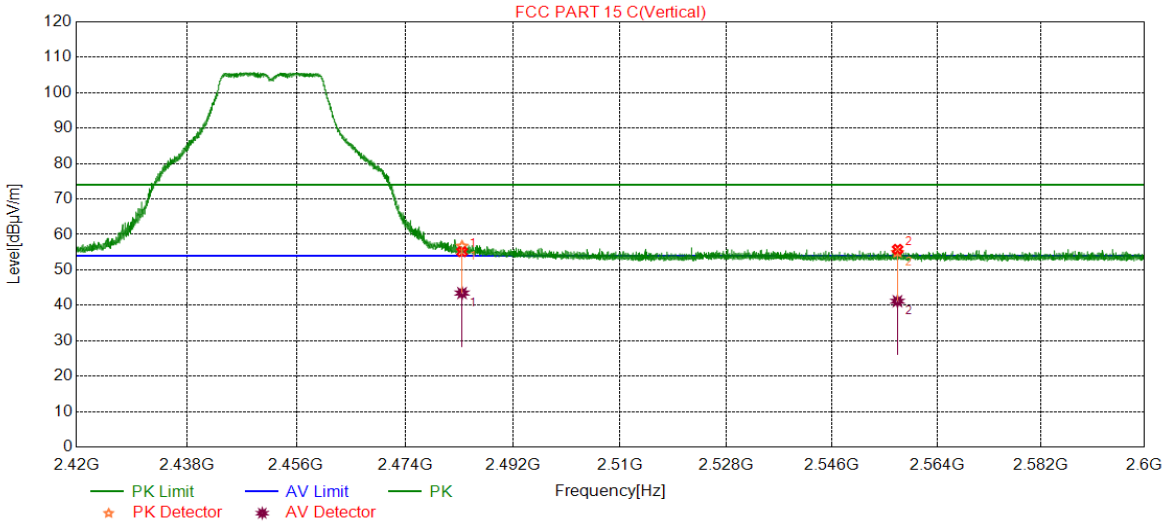
RESTRICTED BANDEDGE (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	40.92	13.88	54.80	74.00	-19.20	peak
		26.92	13.88	40.80	54.00	-13.20	average
2	2555.4555	39.99	14.47	54.46	74.00	-19.54	peak
		26.47	14.47	40.94	54.00	-13.06	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

RESTRICTED BANDEDGE (HIGH CHANNEL, VERTICAL)



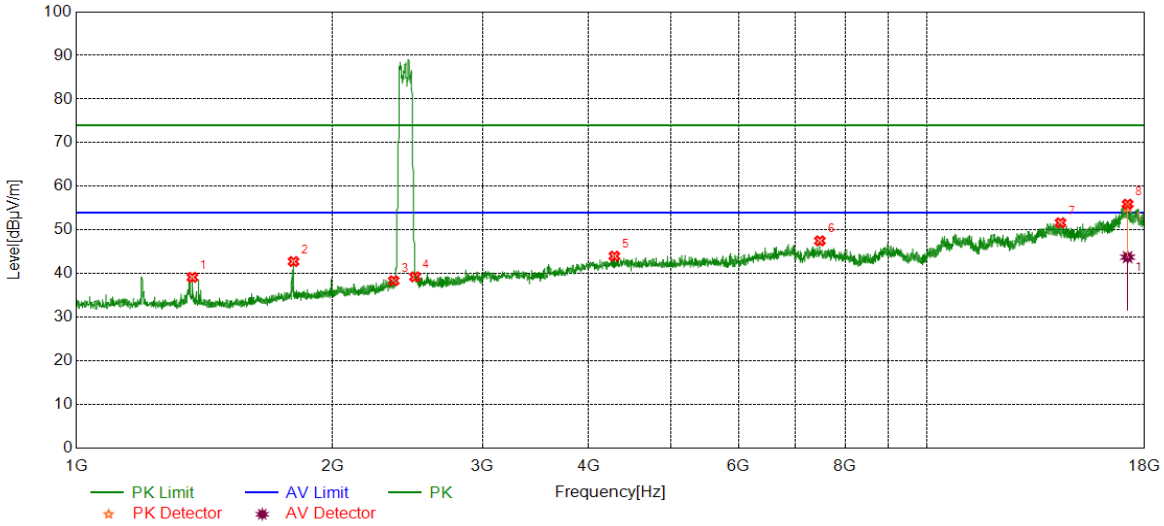
No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	2483.5000	42.80	13.88	56.68	74.00	-17.32	peak
		29.57	13.88	43.45	54.00	-10.55	average
2	2557.1962	40.50	14.48	54.98	74.00	-19.02	peak
		26.67	14.48	41.15	54.00	-12.85	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.2. SPURIOUS EMISSIONS (1~18GHz)

9.2.1. 802.11b MODE

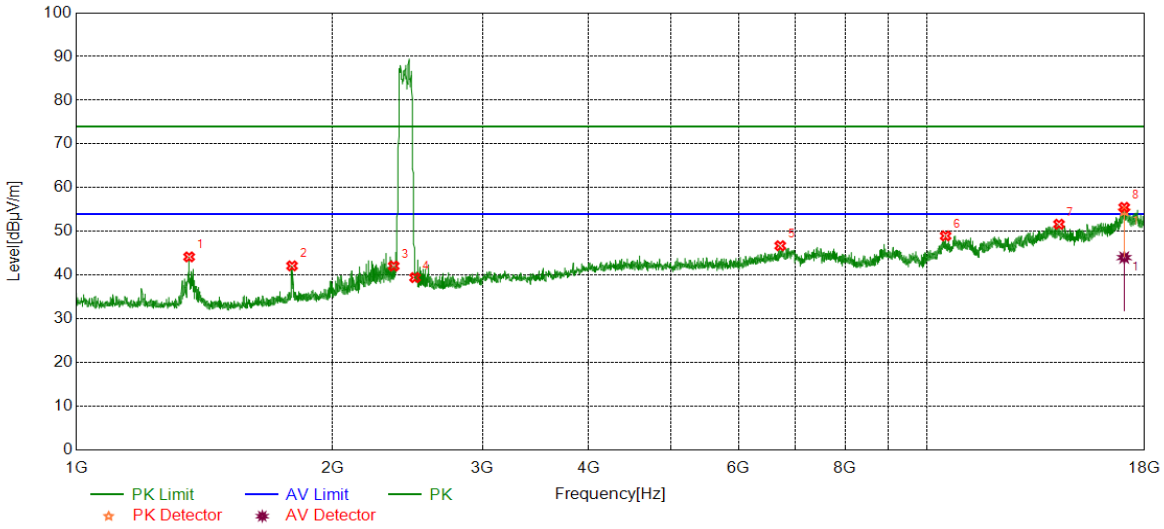
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1368.7896	44.88	-5.72	39.16	74.00	-34.84	peak
2	1799.5999	46.66	-3.88	42.78	74.00	-31.22	peak
3	2360.0000	39.70	-1.33	38.37	74.00	-35.63	peak
4	2500.0000	38.59	0.68	39.27	74.00	-34.73	peak
5	4287.7146	39.26	4.76	44.02	74.00	-29.98	peak
6	7475.7460	38.18	9.34	47.52	74.00	-26.48	peak
7	14336.8895	35.54	16.11	51.65	74.00	-22.35	peak
8	17189.8650	35.63	19.54	55.17	74.00	-18.83	peak
		24.23	19.54	43.77	54.00	-10.23	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

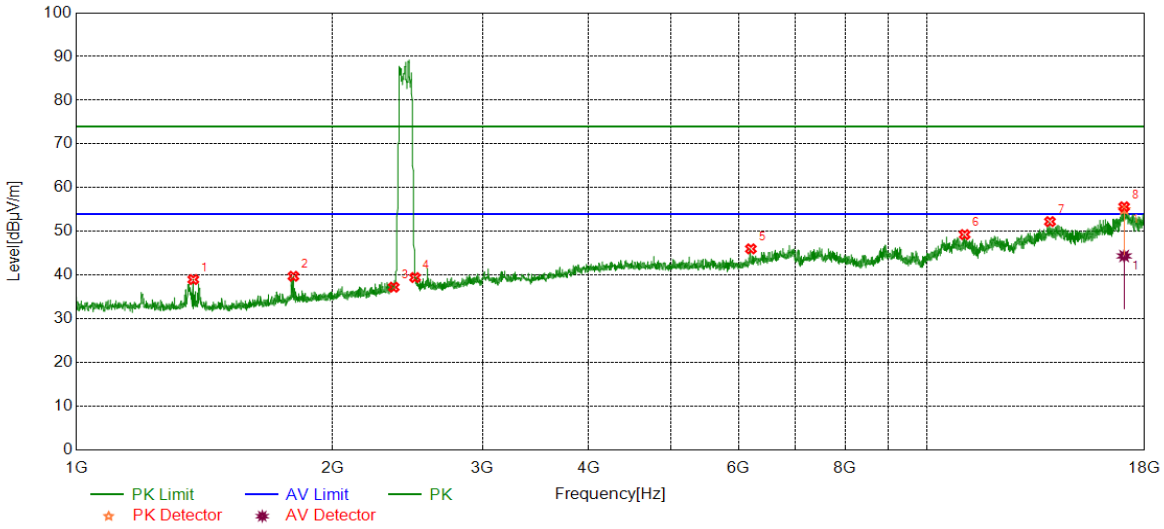
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1356.7856	49.86	-5.68	44.18	74.00	-29.82	peak
2	1792.2641	46.08	-3.96	42.12	74.00	-31.88	peak
3	2360.0000	43.42	-1.33	42.09	74.00	-31.91	peak
4	2500.0000	38.76	0.68	39.44	74.00	-34.56	peak
5	6715.6193	38.21	8.51	46.72	74.00	-27.28	peak
6	10506.2510	36.66	12.32	48.98	74.00	-25.02	peak
7	14276.8795	36.10	15.55	51.65	74.00	-22.35	peak
8	17032.3387	34.65	20.00	54.65	74.00	-19.35	peak
		24.02	20.00	44.02	54.00	-9.98	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1372.1240	44.72	-5.72	39.00	74.00	-35.00	peak
2	1798.9330	43.64	-3.89	39.75	74.00	-34.25	peak
3	2360.0000	38.57	-1.33	37.24	74.00	-36.76	peak
4	2500.0000	38.77	0.68	39.45	74.00	-34.55	peak
5	6203.0338	39.54	6.47	46.01	74.00	-27.99	peak
6	11061.3436	36.47	12.81	49.28	74.00	-24.72	peak
7	13934.3224	36.20	16.04	52.24	74.00	-21.76	peak
8	17029.8383	34.78	20.22	55.00	74.00	-19.00	peak
		24.17	20.22	44.39	54.00	-9.61	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

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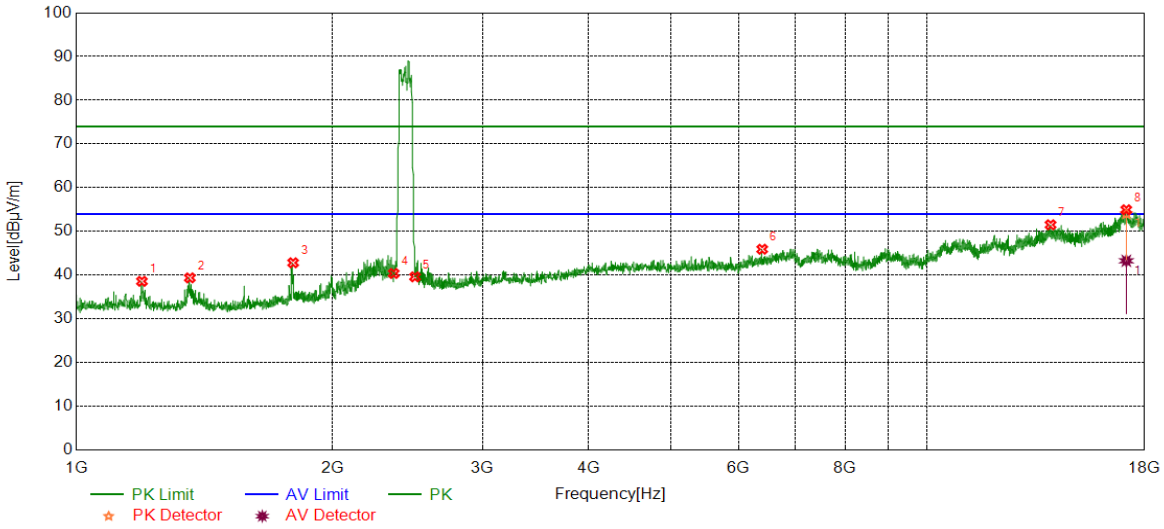
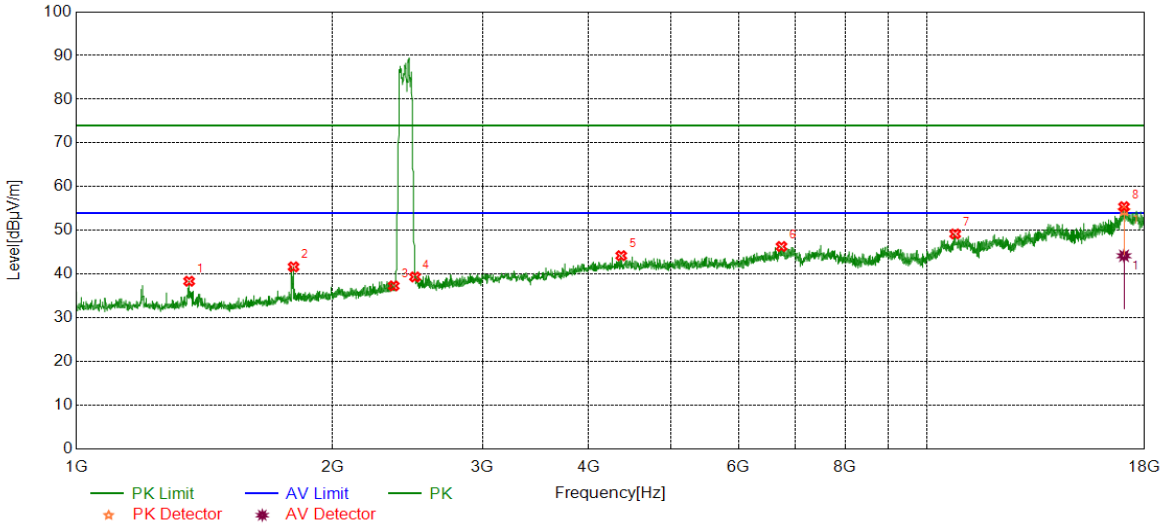
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1194.0647	44.14	-5.55	38.59	74.00	-35.41	peak
2	1359.4532	45.07	-5.69	39.38	74.00	-34.62	peak
3	1797.5992	46.73	-3.90	42.83	74.00	-31.17	peak
4	2360.0000	41.72	-1.33	40.39	74.00	-33.61	peak
5	2500.0000	38.93	0.68	39.61	74.00	-34.39	peak
6	6395.5659	38.35	7.58	45.93	74.00	-28.07	peak
7	13956.8261	35.70	15.82	51.52	74.00	-22.48	peak
8	17129.8550	34.74	19.29	54.03	74.00	-19.97	peak
		23.99	19.29	43.28	54.00	-10.72	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

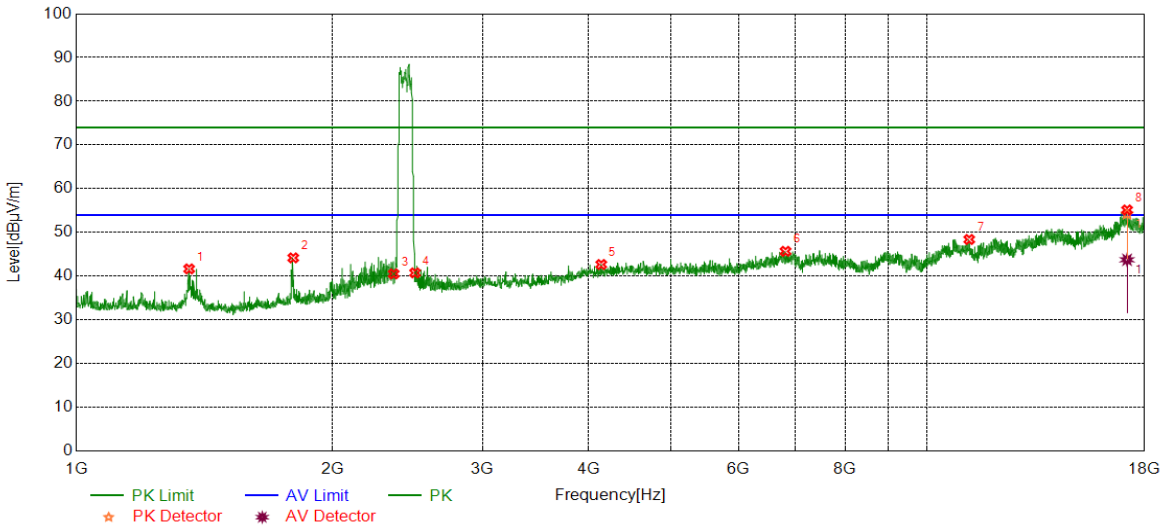
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1356.7856	44.06	-5.68	38.38	74.00	-35.62	peak
2	1799.5999	45.55	-3.88	41.67	74.00	-32.33	peak
3	2360.0000	38.64	-1.33	37.31	74.00	-36.69	peak
4	2500.0000	38.68	0.68	39.36	74.00	-34.64	peak
5	4367.7280	39.38	4.84	44.22	74.00	-29.78	peak
6	6738.1230	37.60	8.72	46.32	74.00	-27.68	peak
7	10781.2969	36.59	12.61	49.20	74.00	-24.80	peak
8	17022.3371	34.29	20.17	54.46	74.00	-19.54	peak
		24.03	20.17	44.20	54.00	-9.80	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

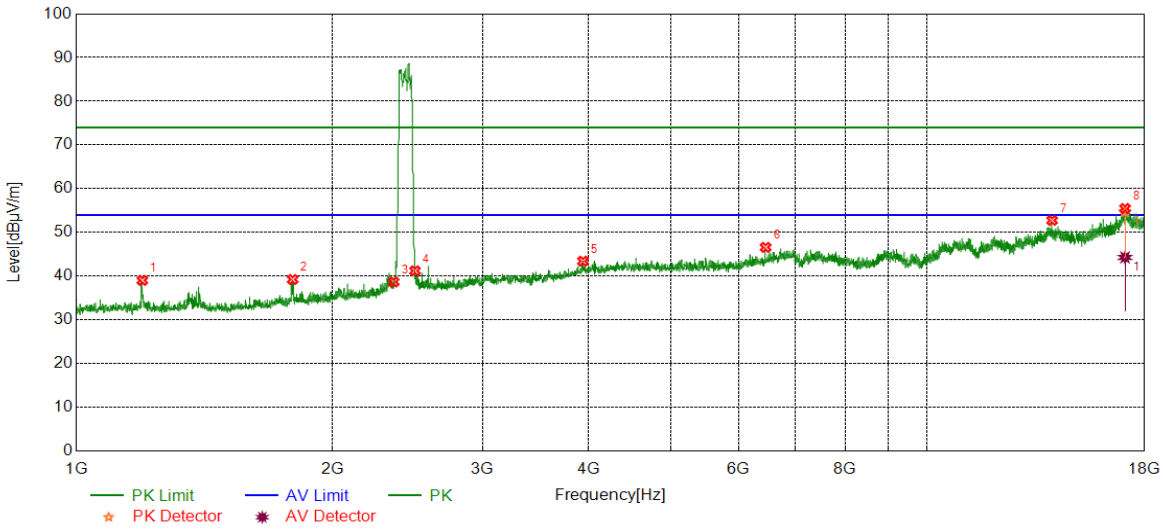


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1356.7856	47.34	-5.68	41.66	74.00	-32.34	peak
2	1798.2661	48.08	-3.90	44.18	74.00	-29.82	peak
3	2360.0000	41.85	-1.33	40.52	74.00	-33.48	peak
4	2500.0000	40.07	0.68	40.75	74.00	-33.25	peak
5	4137.6896	38.00	4.67	42.67	74.00	-31.33	peak
6	6813.1355	37.30	8.38	45.68	74.00	-28.32	peak
7	11198.8665	35.89	12.50	48.39	74.00	-25.61	peak
8	17164.8608	34.6	19.59	54.19	74.00	-19.81	peak
		24.15	19.59	43.74	54.00	-10.26	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.2.2. 802.11g MODE

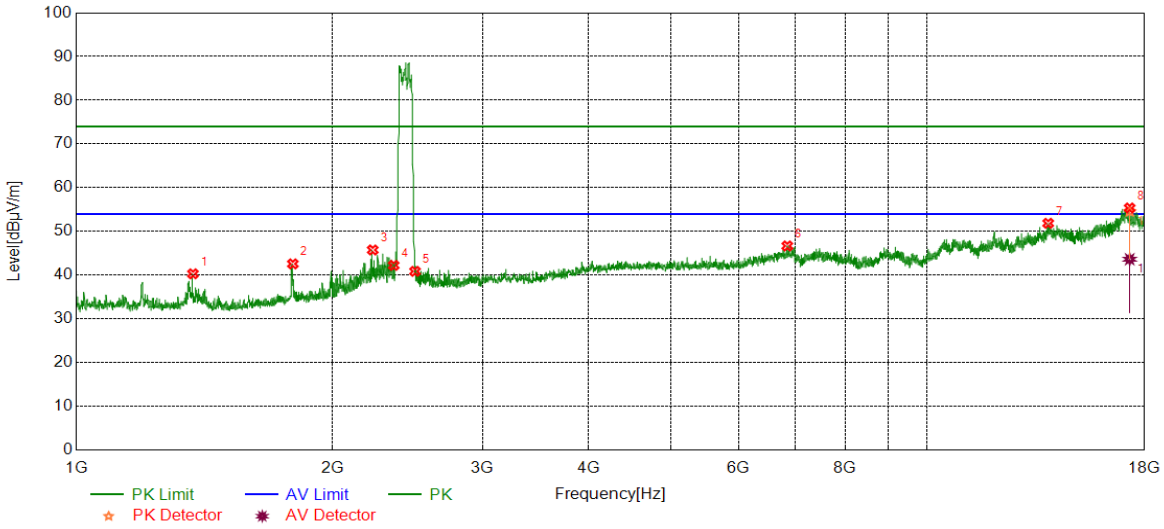
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1195.3985	44.56	-5.54	39.02	74.00	-34.98	peak
2	1795.5985	43.16	-3.92	39.24	74.00	-34.76	peak
3	2360.0000	40.01	-1.33	38.68	74.00	-35.32	peak
4	2500.0000	40.54	0.68	41.22	74.00	-32.78	peak
5	3937.6563	38.78	4.65	43.43	74.00	-30.57	peak
6	6455.5759	39.32	7.26	46.58	74.00	-27.42	peak
7	14014.3357	37.11	15.64	52.75	74.00	-21.25	peak
8	17069.8450	34.21	20.52	54.73	74.00	-19.27	peak
		23.76	20.52	44.28	54.00	-9.72	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

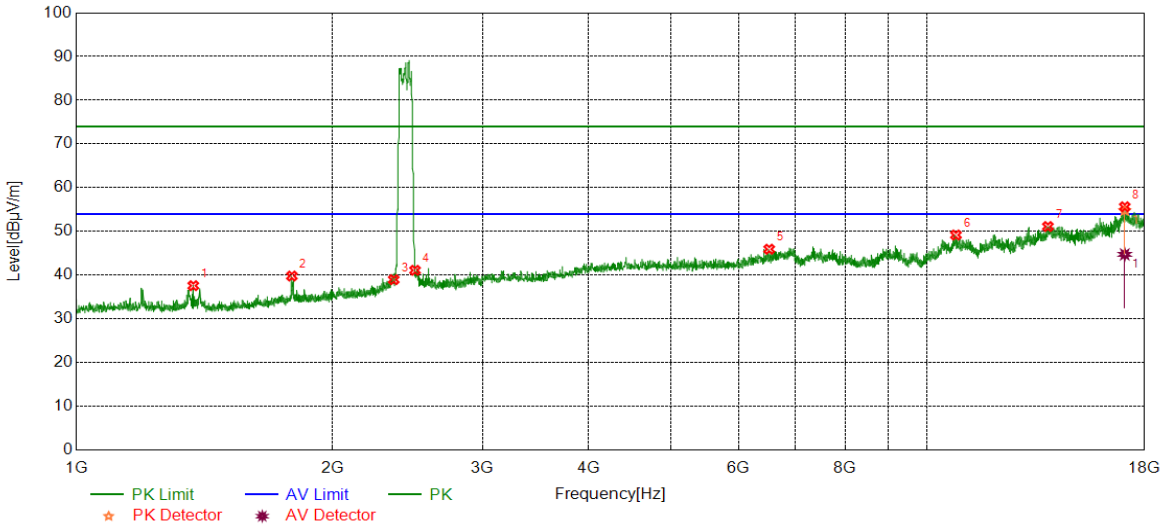
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1370.7903	46.03	-5.72	40.31	74.00	-33.69	peak
2	1796.2654	46.50	-3.92	42.58	74.00	-31.42	peak
3	2229.7432	47.88	-2.12	45.76	74.00	-28.24	peak
4	2360.0000	43.57	-1.33	42.24	74.00	-31.76	peak
5	2500.0000	40.19	0.68	40.87	74.00	-33.13	peak
6	6845.6409	38.20	8.48	46.68	74.00	-27.32	peak
7	13866.8111	35.93	15.94	51.87	74.00	-22.13	peak
8	17287.3812	35.74	18.84	54.58	74.00	-19.42	peak
		24.80	18.84	43.64	54.00	-10.36	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

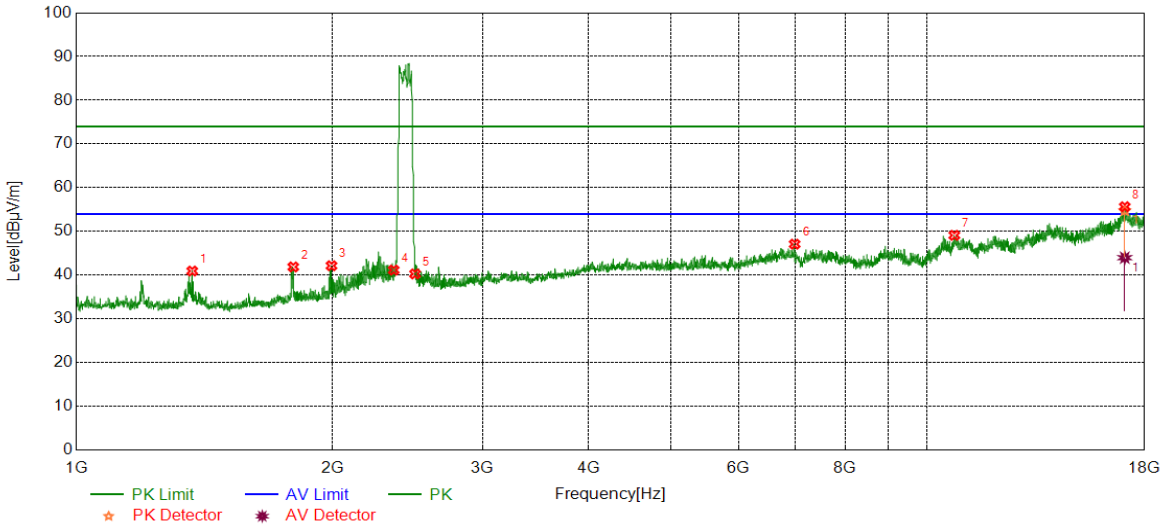
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1372.1240	43.31	-5.72	37.59	74.00	-36.41	peak
2	1791.5972	43.77	-3.97	39.80	74.00	-34.20	peak
3	2360.0000	40.30	-1.33	38.97	74.00	-35.03	peak
4	2500.0000	40.43	0.68	41.11	74.00	-32.89	peak
5	6518.0863	37.97	7.97	45.94	74.00	-28.06	peak
6	10803.8006	36.20	12.98	49.18	74.00	-24.82	peak
7	13856.8095	35.44	15.68	51.12	74.00	-22.88	peak
8	17057.3429	34.28	20.51	54.79	74.00	-19.21	peak
		24.24	20.51	44.75	54.00	-9.25	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

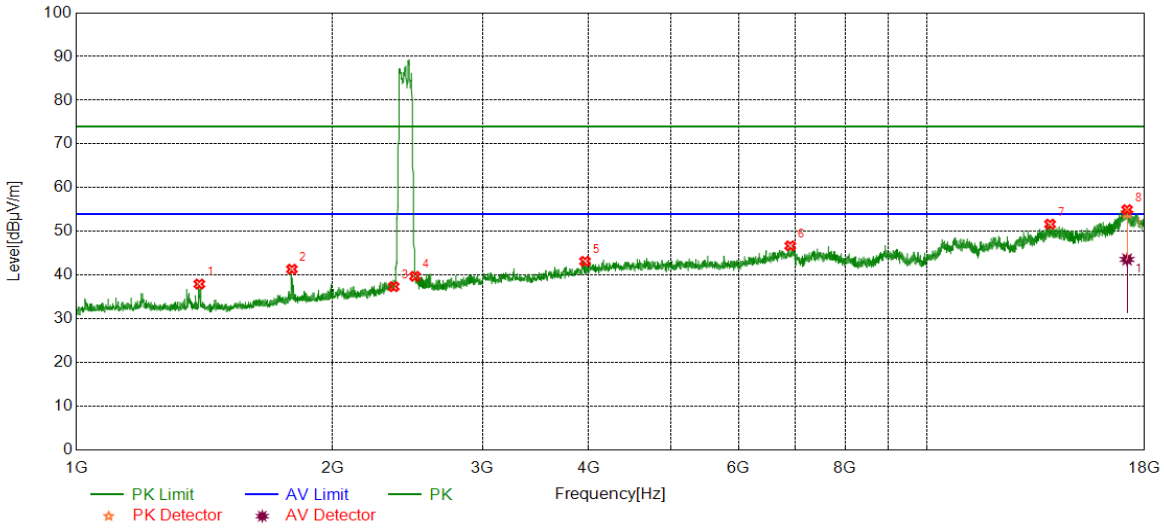
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1368.1227	46.66	-5.72	40.94	74.00	-33.06	peak
2	1798.2661	45.78	-3.90	41.88	74.00	-32.12	peak
3	1994.3314	45.22	-3.07	42.15	74.00	-31.85	peak
4	2360.0000	42.49	-1.33	41.16	74.00	-32.84	peak
5	2500.0000	39.60	0.68	40.28	74.00	-33.72	peak
6	6983.1639	38.54	8.55	47.09	74.00	-26.91	peak
7	10756.2927	36.28	12.83	49.11	74.00	-24.89	peak
8	17057.3429	34.22	20.51	54.73	74.00	-19.27	peak
		23.48	20.51	43.99	54.00	-10.01	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

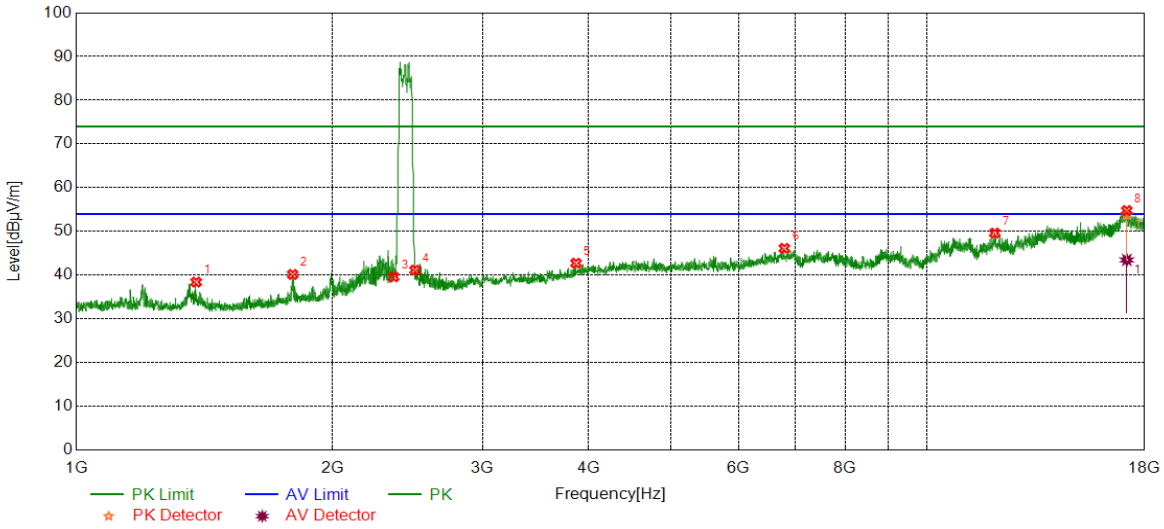
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1394.7983	43.62	-5.66	37.96	74.00	-36.04	peak
2	1791.5972	45.34	-3.97	41.37	74.00	-32.63	peak
3	2360.0000	38.70	-1.33	37.37	74.00	-36.63	peak
4	2500.0000	39.05	0.68	39.73	74.00	-34.27	peak
5	3960.1600	39.05	4.12	43.17	74.00	-30.83	peak
6	6900.6501	38.44	8.27	46.71	74.00	-27.29	peak
7	13936.8228	35.63	16.03	51.66	74.00	-22.34	peak
8	17164.8608	34.55	19.59	54.14	74.00	-19.86	peak
		24.00	19.59	43.59	54.00	-10.41	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

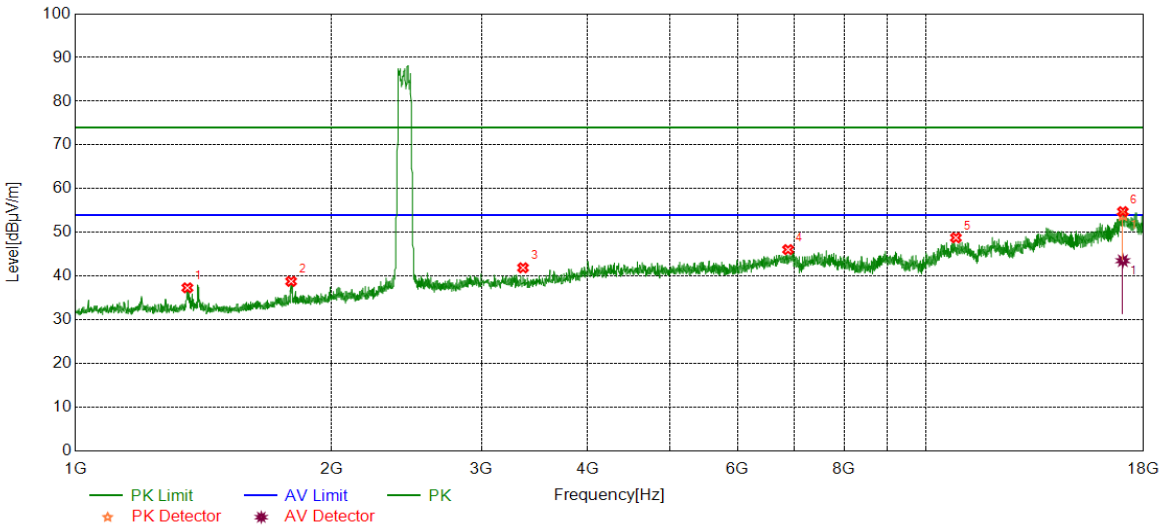


No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1382.7943	44.13	-5.72	38.41	74.00	-35.59	peak
2	1795.5985	44.08	-3.92	40.16	74.00	-33.84	peak
3	2360.0000	40.94	-1.33	39.61	74.00	-34.39	peak
4	2500.0000	40.47	0.68	41.15	74.00	-32.85	peak
5	3865.1442	39.08	3.66	42.74	74.00	-31.26	peak
6	6790.6318	37.90	8.23	46.13	74.00	-27.87	peak
7	12001.5003	35.69	13.93	49.62	74.00	-24.38	peak
8	17152.3587	34.07	19.74	53.81	74.00	-20.19	peak
		23.74	19.74	43.48	54.00	-10.52	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

9.2.3. 802.11n HT20 MODE

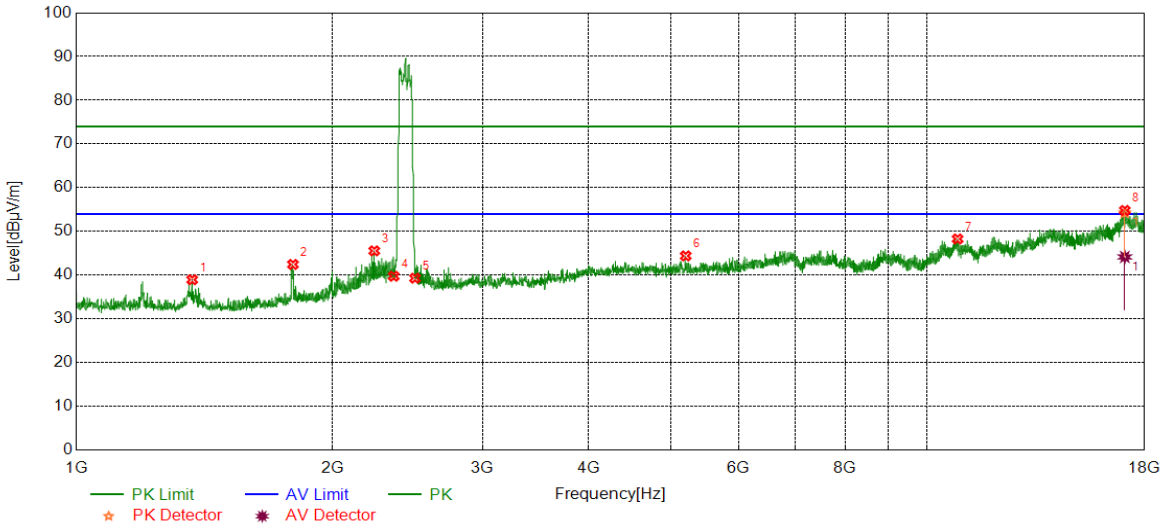
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1354.1180	43.00	-5.67	37.33	74.00	-36.67	peak
2	1792.9310	42.75	-3.95	38.80	74.00	-35.20	peak
3	2360.0000	39.76	-1.33	38.43	74.00	-35.57	peak
4	2500.0000	39.75	0.68	40.43	74.00	-33.57	peak
5	3357.5596	39.97	1.94	41.91	74.00	-32.09	peak
6	6878.1464	37.62	8.45	46.07	74.00	-27.93	peak
7	10831.3052	36.10	12.68	48.78	74.00	-25.22	peak
8	17014.8358	34.02	19.81	53.83	74.00	-20.17	peak
		23.72	19.81	43.53	54.00	-10.47	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

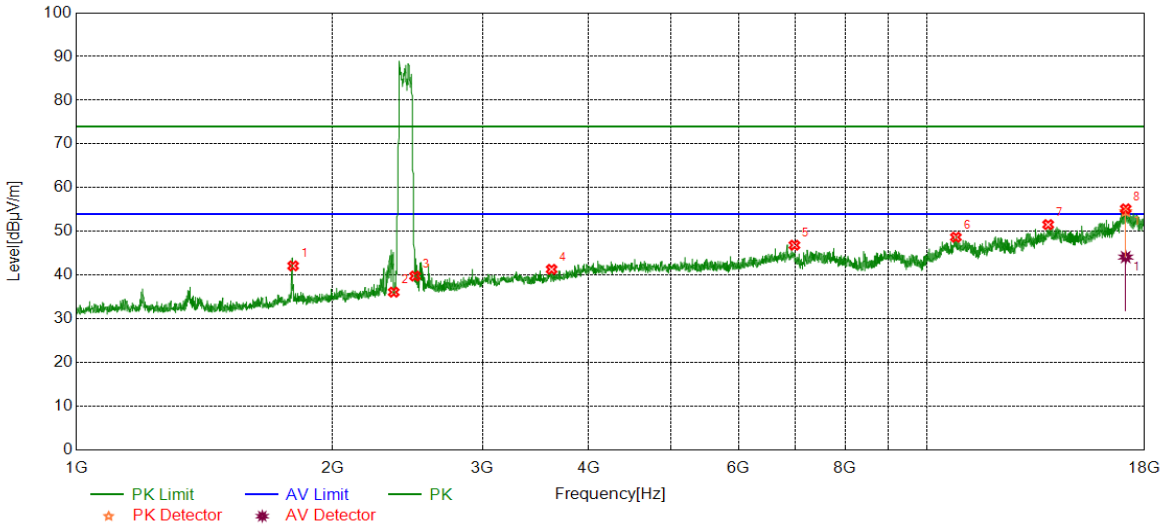
HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1368.1227	44.67	-5.72	38.95	74.00	-35.05	peak
2	1796.9323	46.36	-3.91	42.45	74.00	-31.55	peak
3	2239.0797	47.81	-2.26	45.55	74.00	-28.45	peak
4	2360.0000	41.08	-1.33	39.75	74.00	-34.25	peak
5	2500.0000	38.62	0.68	39.30	74.00	-34.70	peak
6	5200.3667	39.06	5.34	44.40	74.00	-29.60	peak
7	10851.3086	35.44	12.84	48.28	74.00	-25.72	peak
8	17059.8433	33.73	20.52	54.25	74.00	-19.75	peak
		23.64	20.52	44.16	54.00	-9.84	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

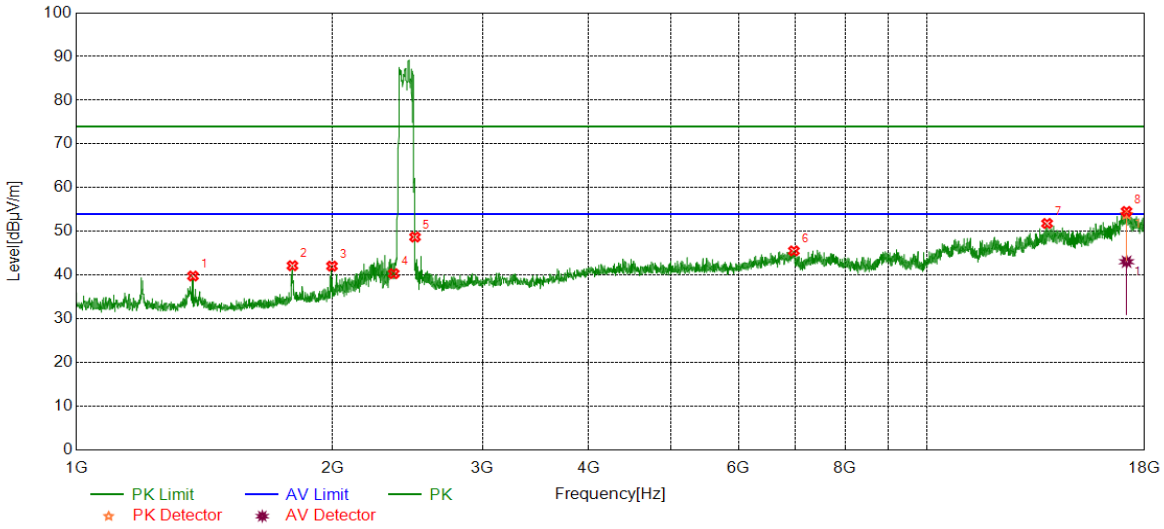
HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1797.5992	46.02	-3.90	42.12	74.00	-31.88	peak
2	2360.0000	37.44	-1.33	36.11	74.00	-37.89	peak
3	2500.0000	39.11	0.68	39.79	74.00	-34.21	peak
4	3617.6029	38.51	2.82	41.33	74.00	-32.67	peak
5	6978.1630	38.28	8.57	46.85	74.00	-27.15	peak
6	10801.3002	35.64	13.03	48.67	74.00	-25.33	peak
7	13864.3107	35.71	15.85	51.56	74.00	-22.44	peak
8	17102.3504	35.32	19.22	54.54	74.00	-19.46	peak
		24.91	19.22	44.13	54.00	-9.87	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)



No.	Frequency	Reading Level	Correct Factor	Result	Limit	Margin	Remark
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
1	1370.7903	45.52	-5.72	39.80	74.00	-34.20	peak
2	1794.2648	46.10	-3.94	42.16	74.00	-31.84	peak
3	1996.9990	45.11	-3.05	42.06	74.00	-31.94	peak
4	2360.0000	41.67	-1.33	40.34	74.00	-33.66	peak
5	2500.0000	48.04	0.68	48.72	74.00	-25.28	peak
6	6968.1614	36.96	8.59	45.55	74.00	-28.45	peak
7	13824.3041	36.16	15.66	51.82	74.00	-22.18	peak
8	17142.3571	34.5	19.41	53.91	74.00	-20.09	peak
		23.66	19.41	43.07	54.00	-10.93	average

Note: 1. Measurement = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Peak: Peak detector.
4. The carrier which exceeds the limit at 2.4GHz is the main frequency band of the EUT. The result of spurious emission the result of the Restricted Bandedge determine that the spurious emission of 1GHz to 18GHz complies with the limit.
5. Only the worst case emission was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.